

## SJRRP Geodetic Control Network

Date: 12/27/2011 Survey Date: 11/30/2011  
 City: Firebaugh T: 12S R: 14E  
 County: Fresno S: 8  
 State: California Meridian: Mount Diablo

### Final Adjusted Coordinates

Datum: NAD83 (Stat. GPS) Epoch: 2007.00

Latitude (DMS): N 36° 53' 51.23251"

Longitude (DMS): W 120° 27' 54.26739"

Projection: State Plane Zone: California 4

Northing (Grid): 2213141.13 usft.

Easting (Grid): 6133281.36 usft.

Datum: NAVD88 (Stat. GPS) Geoid: 2003

Ortho Height: 141.80 usft.

### Survey Mark Description

3" USGS Brass Disk stamped "X989, 1965",  
 set in concrete structure.

NGS PID: GU0753

### Go To Directions

Starting at the intersection of CA-33 and  
 Clyde Fannon Rd in Firebaugh, CA

1. Head northeast on Clyde Fannon Rd for 1.1 mi
2. Turn right, head east on W Behymer Ave for 0.3 mi
3. Turn left, head north on canal levee for 1.4 mi

\*Point will be to the east of the canal levee  
 and west of a canal

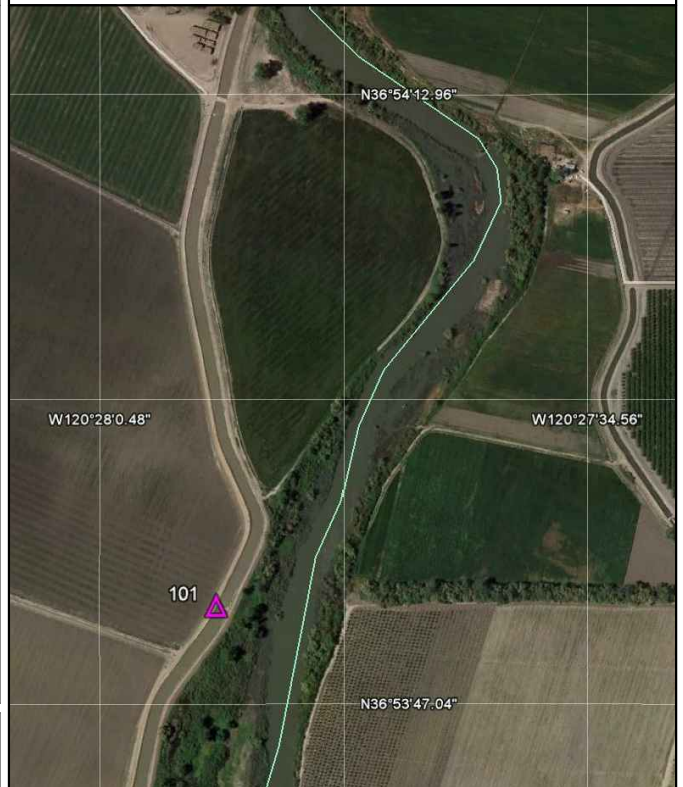
Entered By: W. Harrison  
 Checked By: G. Davis

Close Up View

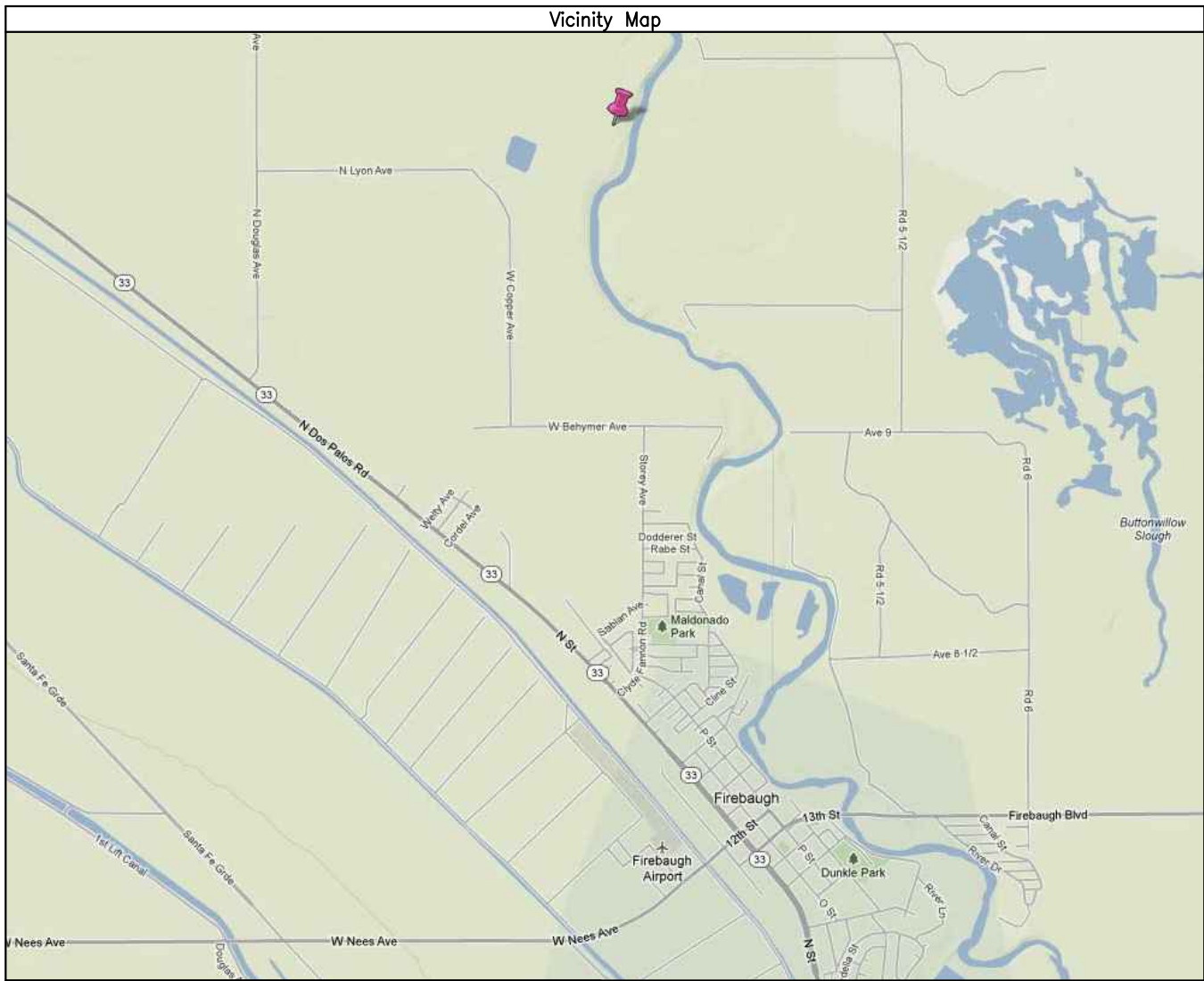
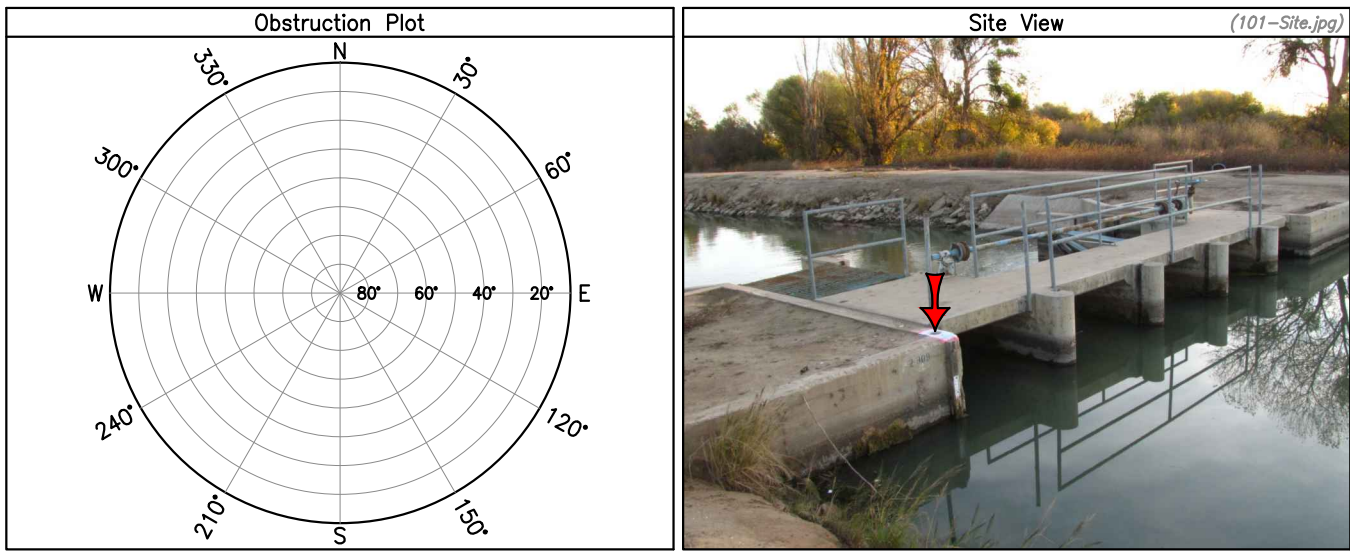
(101-Close.jpg)



Aerial View



## SJRRP Geodetic Control Network





**SJRRP Geodetic Control Network**

Date: 12/27/2011 Survey Date: 11/30/2011  
 City: Herndon T: 13S R: 18E  
 County: Fresno S: 1  
 State: California Meridian: Mount Diablo

**Final Adjusted Coordinates**

Datum: NAD83 (Stat. GPS) Epoch: 2007.00  
 Latitude (DMS): N 36° 50' 00.12997"  
 Longitude (DMS): W 119° 57' 56.93398"

Projection: State Plane Zone: California 4  
 Northing (Grid): 2187923.09 usft.  
 Easting (Grid): 6279022.72 usft.

Datum: NAVD88 (Stat. GPS) Geoid: 2003  
 Ortho Height: 227.00 usft.

**Survey Mark Description**

3" USBR Brass Disk stamped "DNB", set in concrete structure.

**Go To Directions**

Starting at the intersection of CA-99 and Ave 7 north of Herndon, CA

1. Head west on Ave 7 for 1.0 mi
2. Turn left, head south on Rd 32 for 1.1 mi
3. Continue south on gravelly road through trees for 0.1 mi

\*Point will be to the south on north end of a bridge

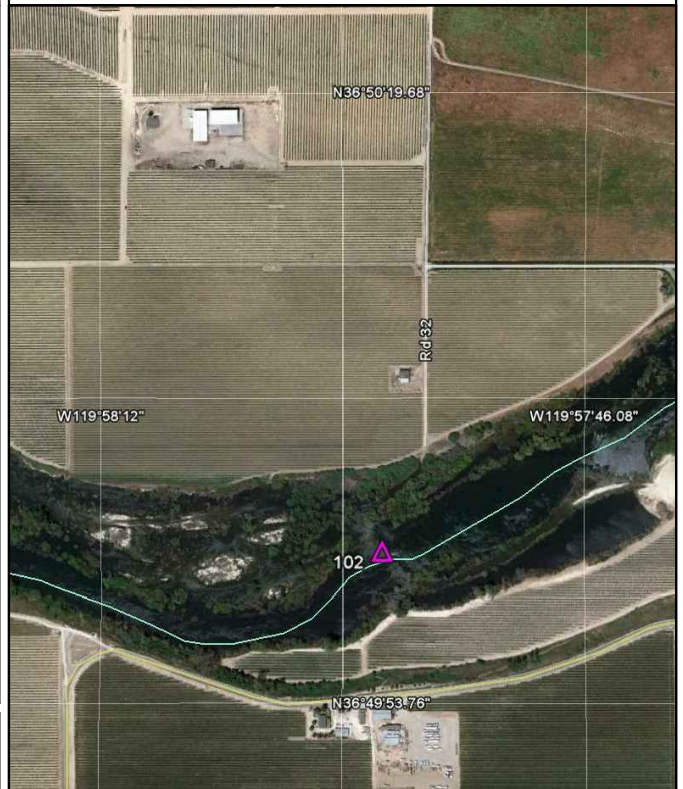
Entered By: W. Harrison  
 Checked By: G. Davis

Close Up View

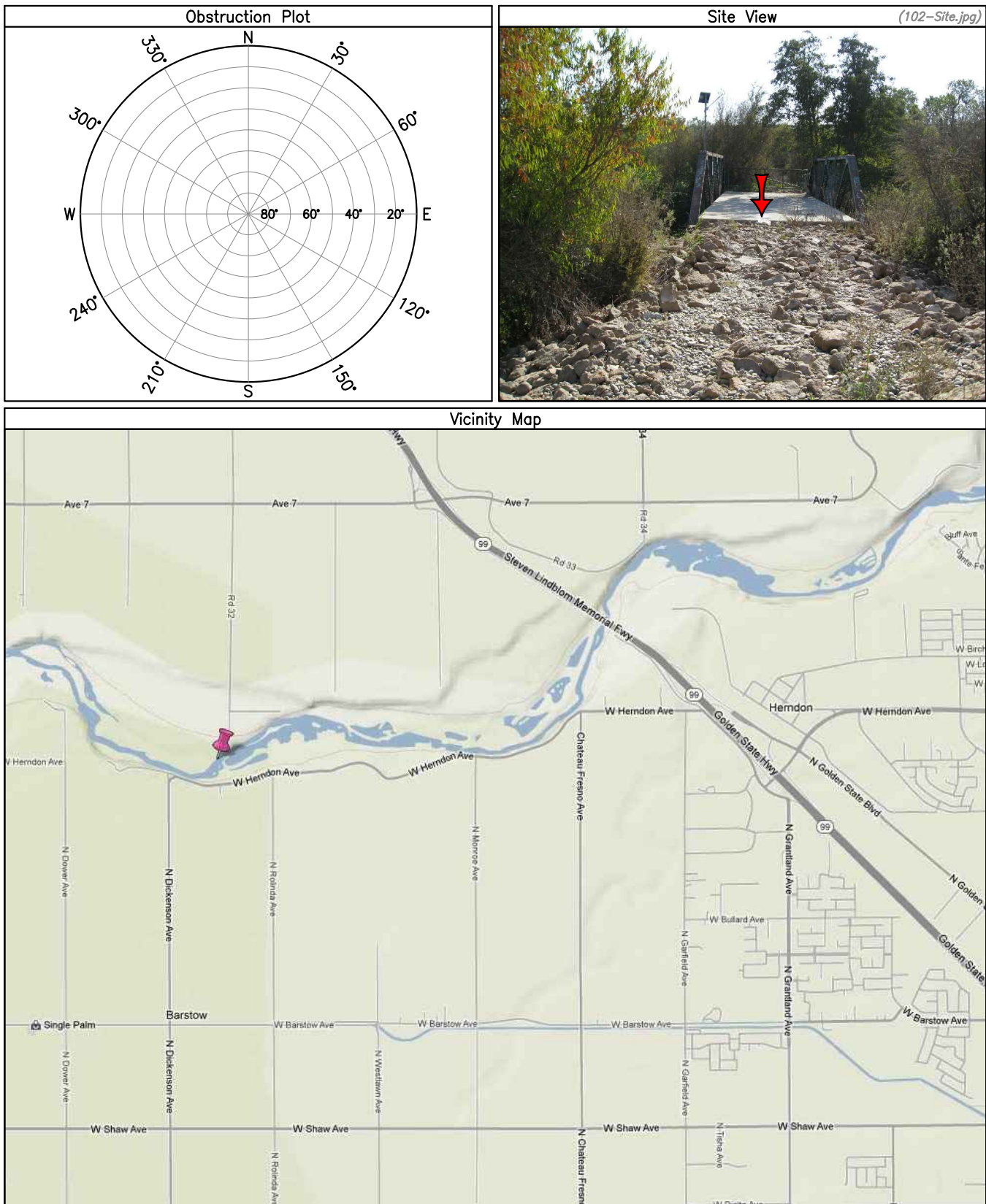
(102-Close.jpg)



Aerial View



## SJRRP Geodetic Control Network





## SJRRP Geodetic Control Network

Date: 12/27/2011 Survey Date: 11/30/2011  
 City: Herndon T: 13S R: 17E  
 County: Madera S: 2  
 State: California Meridian: Mount Diablo

### Final Adjusted Coordinates

Datum: NAD83 (Stat. GPS) Epoch: 2007.00  
 Latitude (DMS): N 36° 49' 35.14106"  
 Longitude (DMS): W 120° 05' 16.27206"

Projection: State Plane Zone: California 4  
 Northing (Grid): 2185777.97 usft.  
 Easting (Grid): 6243281.25 usft.

Datum: NAVD88 (Stat. GPS) Geoid: 2003  
 Ortho Height: 235.22 usft.

### Survey Mark Description

3" USBR Aluminum Disk stamped "SKAGGS",  
 set on rebar approximately 10" below ground  
 surface.

### Go To Directions

Starting at the intersection of CA-99 and Ave 7 north of Herndon, CA

1. Head west on Ave 7 for 6.0 mi
2. Turn left, head south on CA-145 / Rd 27 for 1.5 mi
3. Turn right, head west on Ave 5 1/2 for 1.7 mi
4. Turn left, head south on farm road for 0.2 mi

\*Point will be to the west of the farm road at a gate

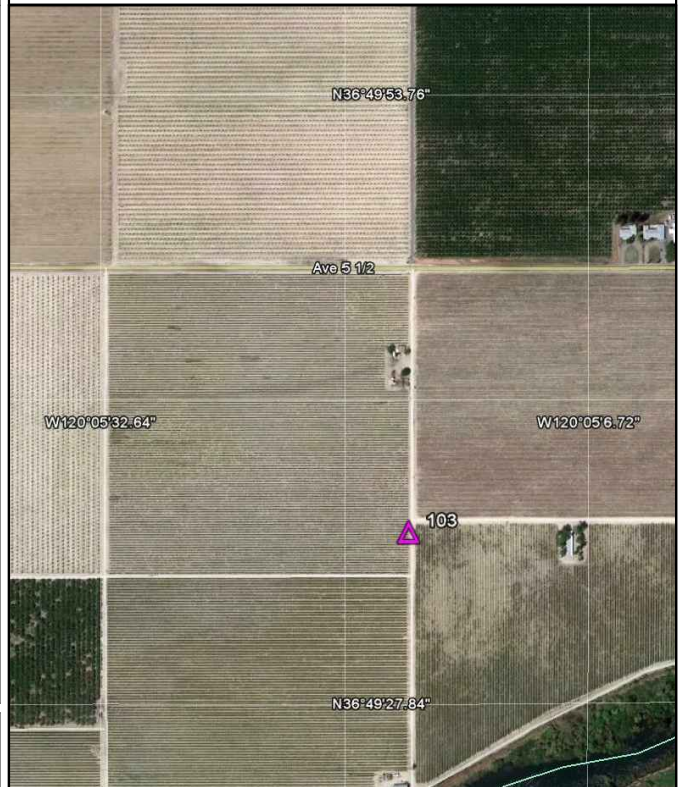
Entered By: W. Harrison  
 Checked By: G. Davis

Close Up View

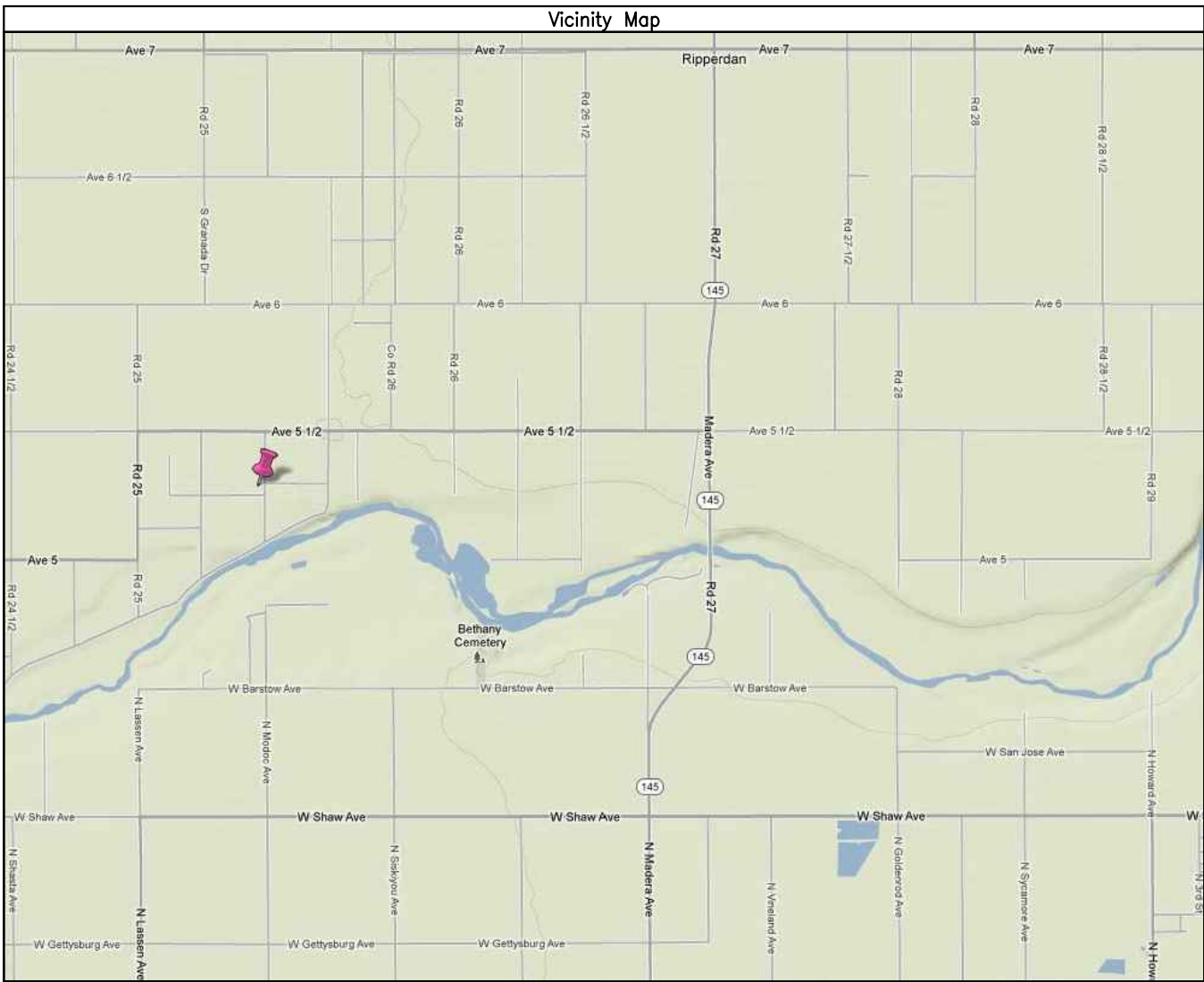
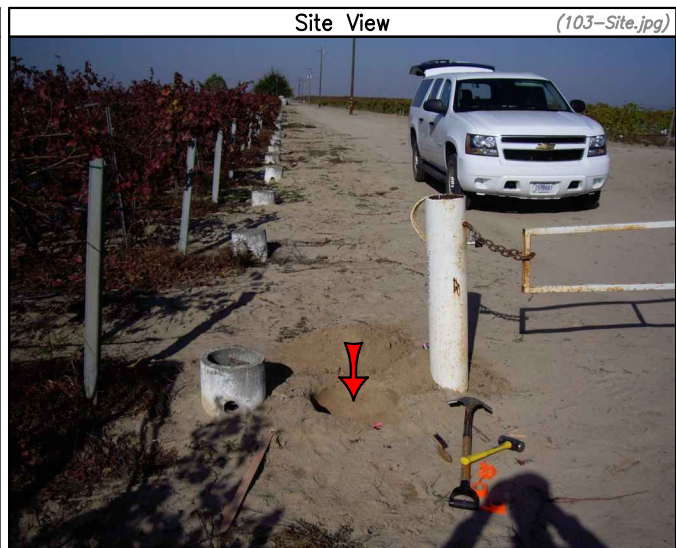
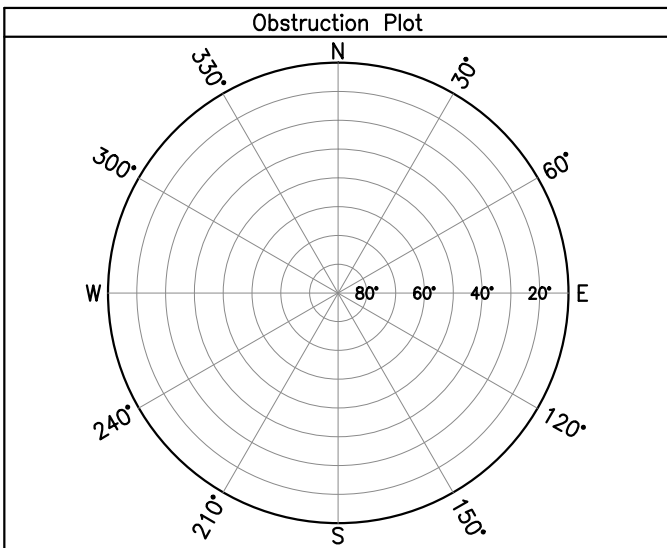
(103-Close.jpg)



Aerial View



#### SJRRP Geodetic Control Network





## SJRRP Geodetic Control Network

Date: 12/27/2011 Survey Date: 11/30/2011  
 City: Firebaugh T: 13S R: 15E  
 County: Madera S: 25  
 State: California Meridian: Mount Diablo

### Final Adjusted Coordinates

Datum: NAD83 (Stat. GPS) Epoch: 2007.00

Latitude (DMS): N 36° 46' 26.73017"

Longitude (DMS): W 120° 17' 03.66549"

Projection: State Plane Zone: California 4

Northing (Grid): 2167435.98 usft.

Easting (Grid): 6185519.88 usft.

Datum: NAVD88 (Stat. GPS) Geoid: 2003

Ortho Height: 180.59 usft.

### Survey Mark Description

3" CADWR Brass Disk stamped "LIFESON, 2", set in concrete structure.

### Go To Directions

Starting at the intersection of CA-33 and 13th St in Firebaugh, CA

1. Head northeast on 13th St for 6.3 mi
2. Turn slight right, head southeast on Ave 7 / Ripperdan Ave for 1.5 mi
3. Turn right, head south on Chowchilla Canal Rd for 4.6 mi
4. Turn left, head northeast at bend in road for 300 ft
- \*\*Pass through gate using USBR 150 Key
5. Turn right, head southeast on canal levee for 1.8 mi
6. Turn left, head northeast toward bridge for 280 ft

\*Point will be to the south on east end of the north most bridge crossing

Entered By: W. Harrison  
 Checked By: G. Davis

Close Up View

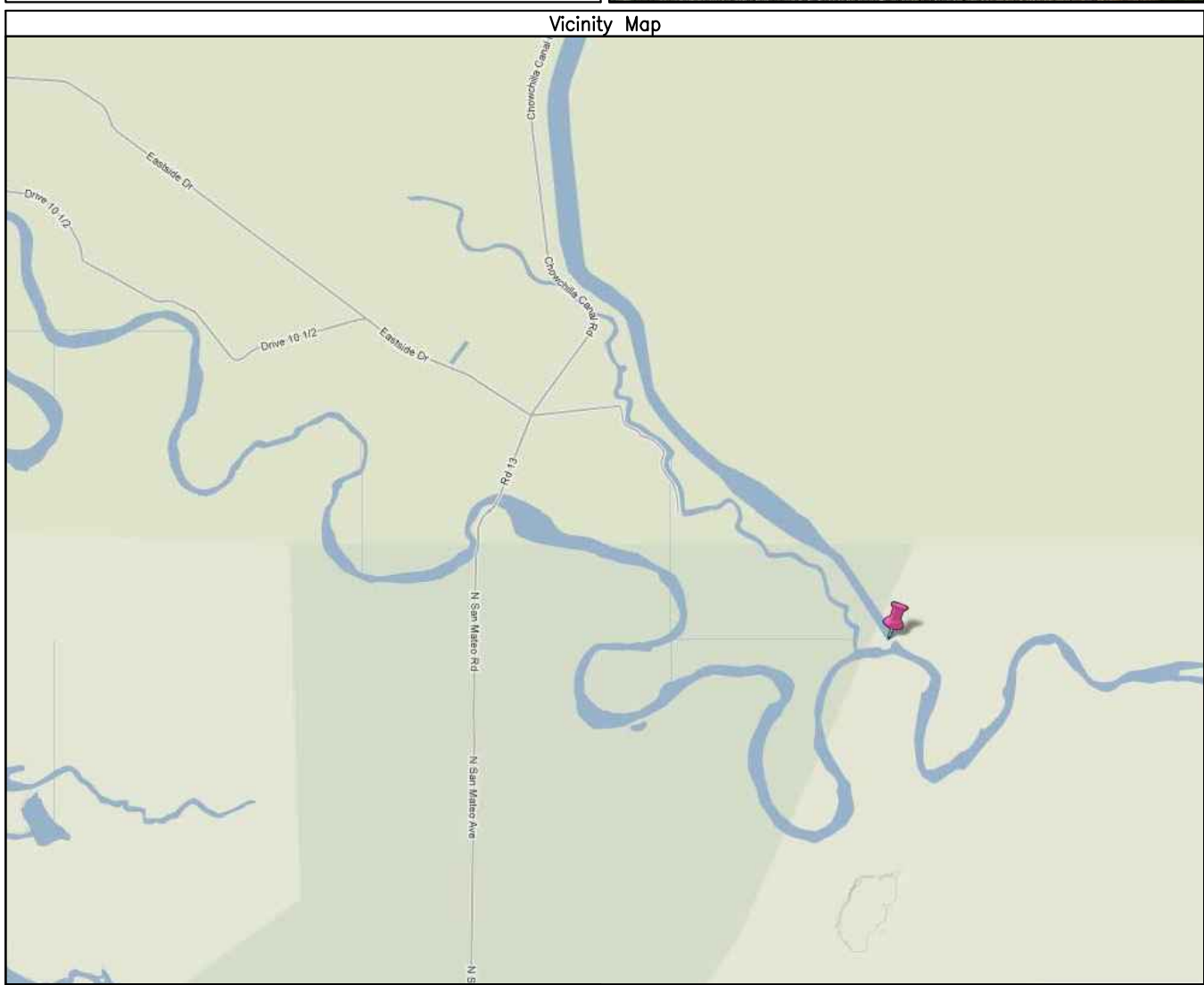
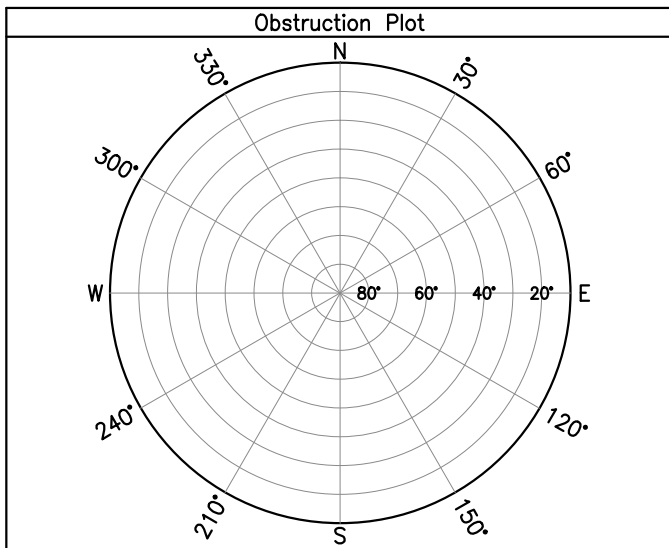
(104-Close.jpg)



Aerial View



## SJRRP Geodetic Control Network





## SJRRP Geodetic Control Network

Date: 12/27/2011 Survey Date: 11/30/2011  
 City: Mendota T: 13S R: 15E  
 County: Fresno S: 23  
 State: California Meridian: Mount Diablo

### Final Adjusted Coordinates

Datum: NAD83 (Stat. GPS) Epoch: 2007.00

Latitude (DMS): N 36° 46' 53.34150"

Longitude (DMS): W 120° 18' 46.16040"

Projection: State Plane Zone: California 4

Northing (Grid): 2170239.66 usft.

Easting (Grid): 6177218.96 usft.

Datum: NAVD88 (Stat. GPS) Geoid: 2003

Ortho Height: 165.22 usft.

### Survey Mark Description

3" USBR Aluminum Disk stamped "SJN", set on rebar approximately 10" below ground surface.

### Go To Directions

Starting at the CA-33 / CA-180 split in Mendota, CA

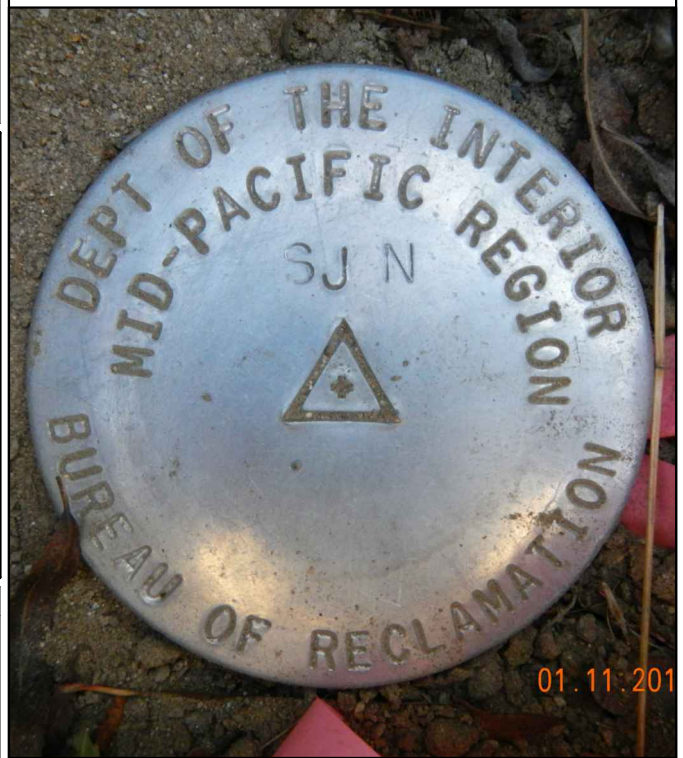
1. Head southeast on CA-180 for 5.1 mi
2. Turn left, head north on N San Mateo Ave for 3.3 mi

\*Point will be to the east of N San Mateo Ave and west of the north end of a gate

Entered By: W. Harrison  
 Checked By: G. Davis

Close Up View

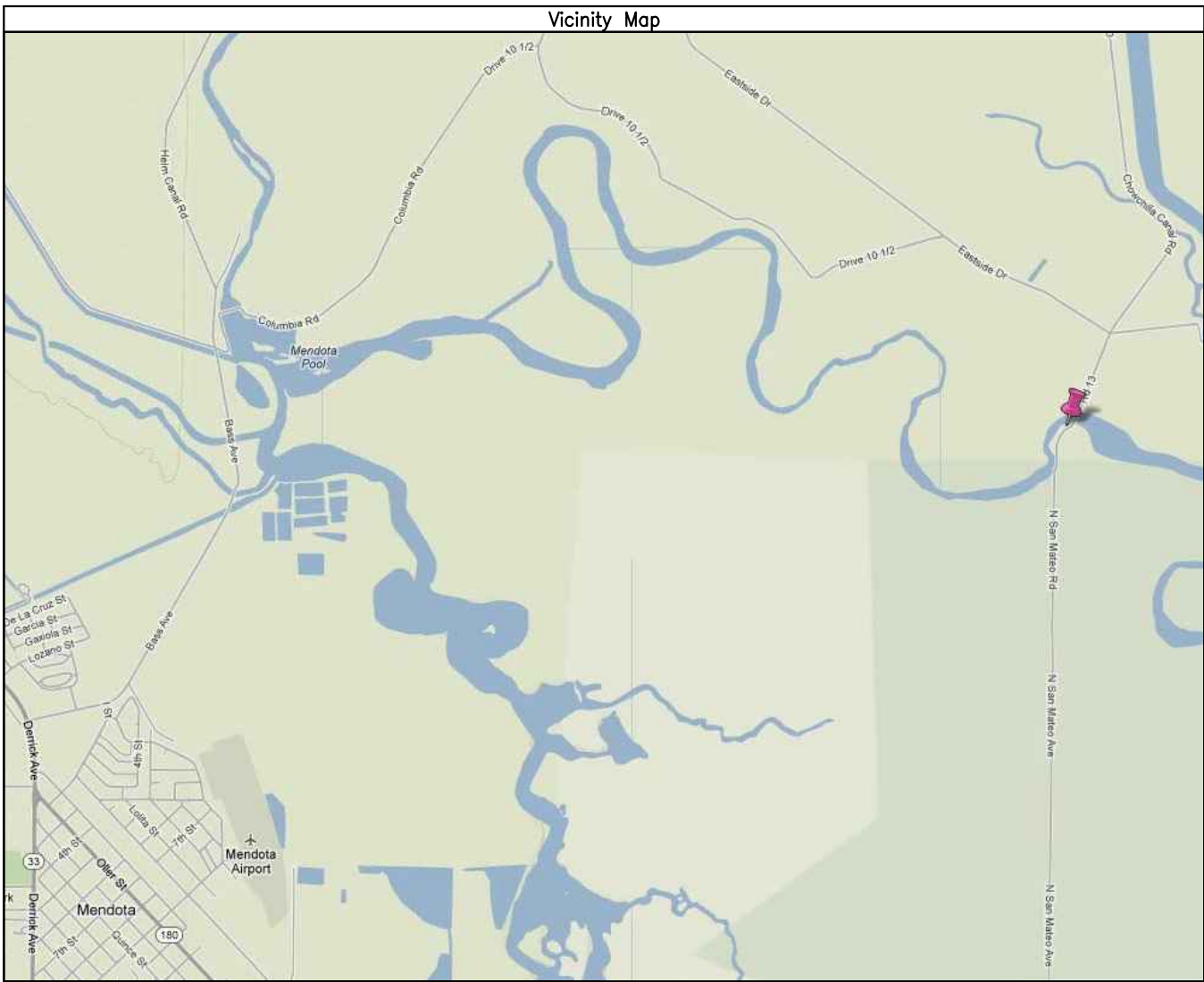
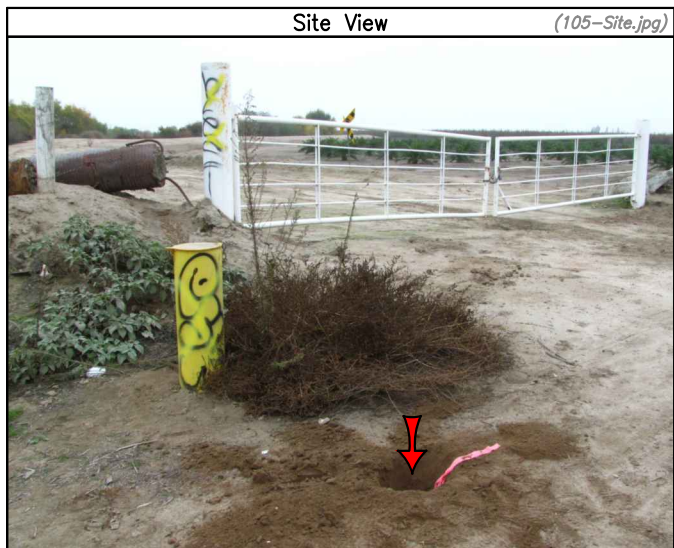
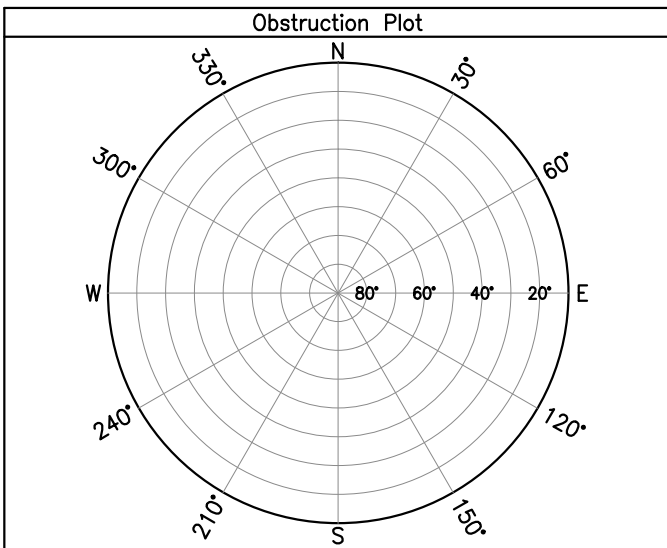
(105-Close.jpg)



Aerial View



### SJRRP Geodetic Control Network





## SJRRP Geodetic Control Network

Date: 12/27/2011 Survey Date: 11/30/2011  
 City: El Nido T: 9S R: 12E  
 County: Merced S: 13  
 State: California Meridian: Mount Diablo

Close Up View

(106-Close.jpg)

### Final Adjusted Coordinates

Datum: NAD83 (Stat. GPS) Epoch: 2007.00

Latitude (DMS): N 37° 08' 50.25889"

Longitude (DMS): W 120° 36' 19.20747"

Projection: State Plane Zone: California 4

Northing (Grid): 2304707.54 usft.

Easting (Grid): 6093792.64 usft.

Datum: NAVD88 (Stat. GPS) Geoid: 2003

Ortho Height: 109.68 usft.



### Survey Mark Description

3" USBR Brass Disk stamped "ELN", set in concrete pad.

### Go To Directions

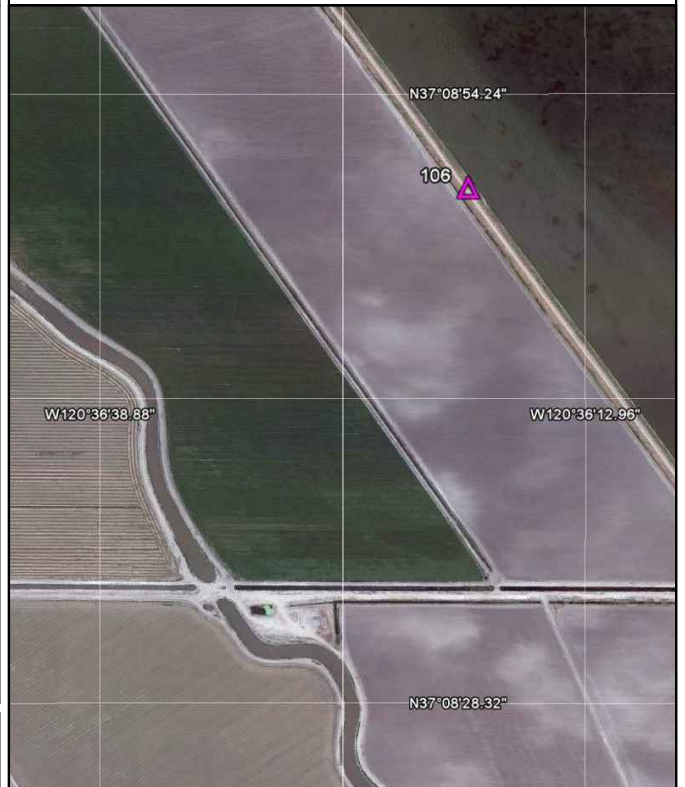
Starting at the intersection of CA-59 and CA-152 south of El Nido, CA

1. Head north on CA-59 for 2.0 mi
2. Turn left, head west on W Washington Rd for 5.3 mi
3. Turn right, head northeast on canal levee for 2.6 mi

\*\*Pass through 3 gates using key provided by the Lower San Joaquin Levee District (Reggie Hill 209-769-9310)

\*Point will be to the east of the canal levee and west of a canal

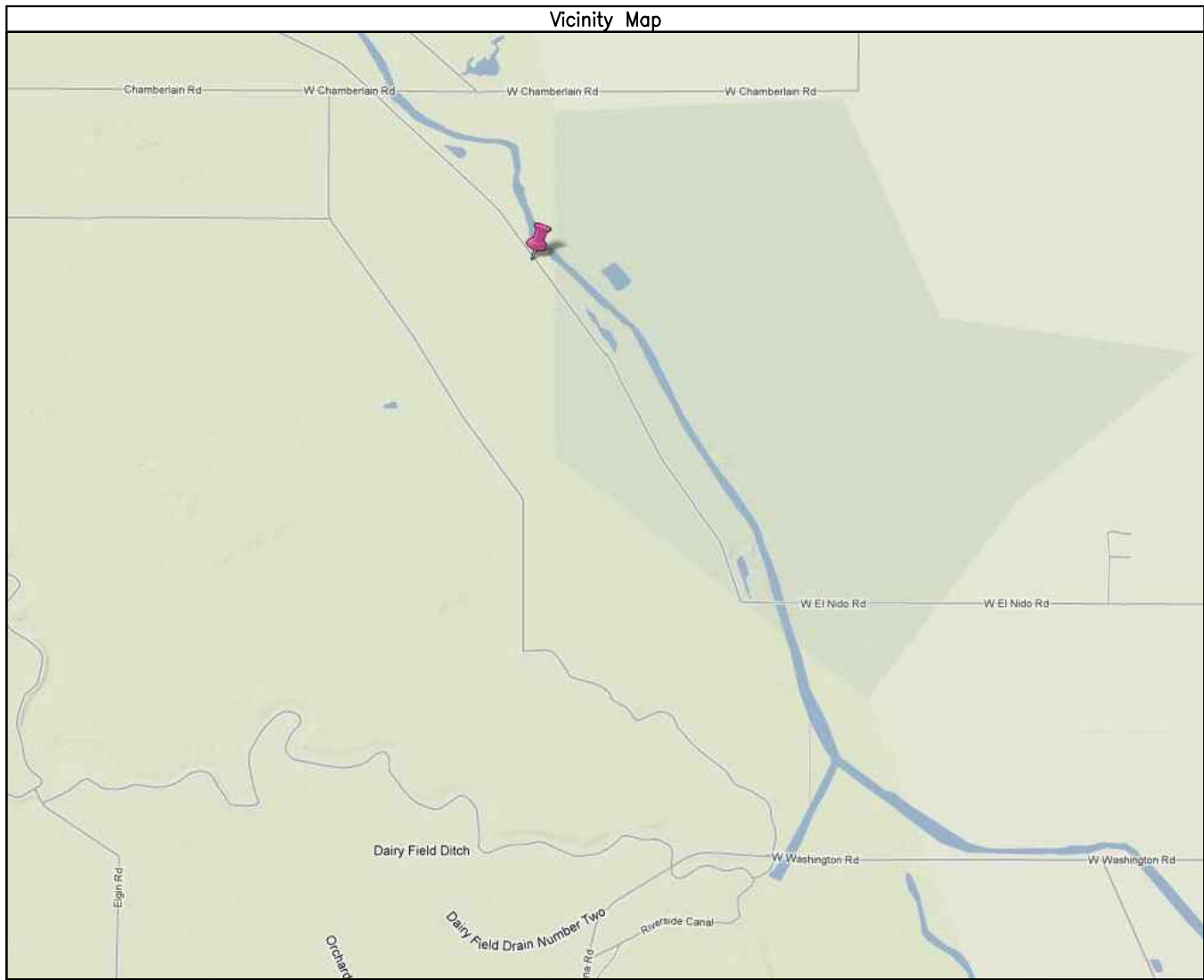
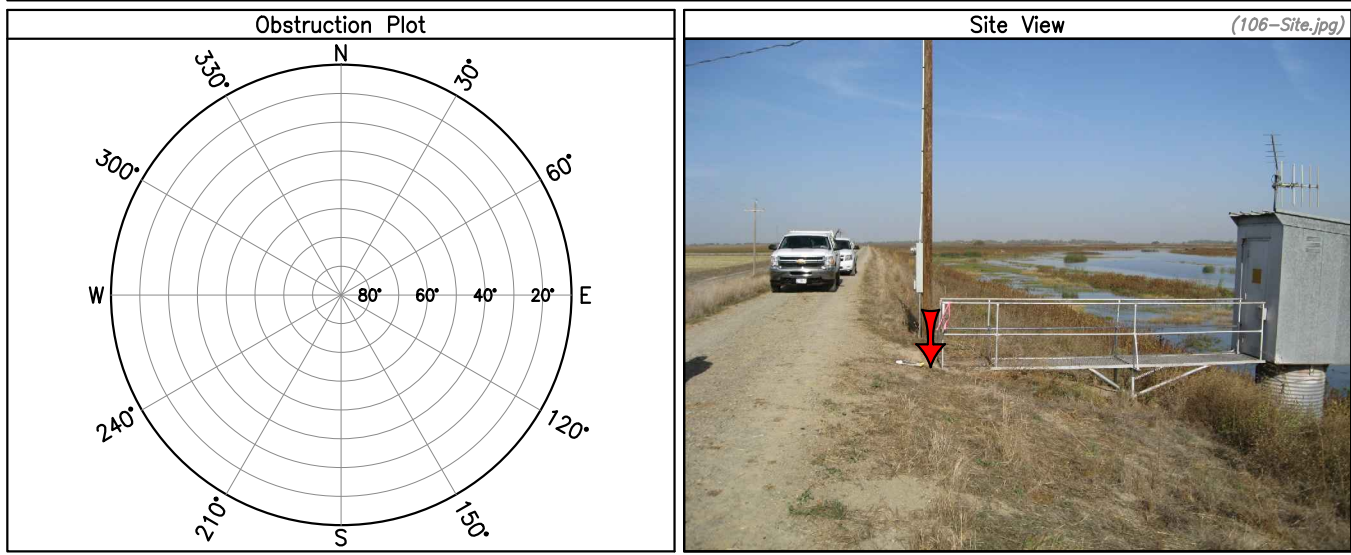
### Aerial View



Entered By: W. Harrison

Checked By: G. Davis

### SJRRP Geodetic Control Network





## SJRRP Geodetic Control Network

Date: 12/27/2011 Survey Date: 11/30/2011  
 City: El Nido T: 8S R: 12E  
 County: Merced S: 30  
 State: California Meridian: Mount Diablo

Close Up View

(107-Close.jpg)

### Final Adjusted Coordinates

Datum: NAD83 (Stat. GPS) Epoch: 2007.00

Latitude (DMS): N 37° 12' 16.78896"

Longitude (DMS): W 120° 41' 49.78081"

Projection: State Plane Zone: California 4

Northing (Grid): 2326052.93 usft.

Easting (Grid): 6067401.85 usft.

Datum: NAVD88 (Stat. GPS) Geoid: 2003

Ortho Height: 106.75 usft.



### Survey Mark Description

3" CADWR Brass Disk, set in concrete structure.

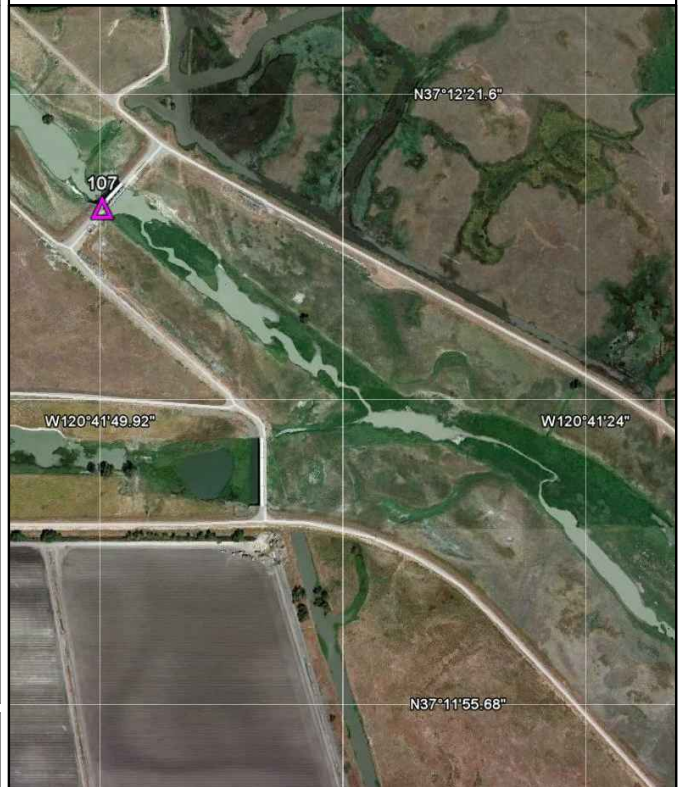
### Go To Directions

Starting at the intersection of CA-59 and Sandy Mush Rd north of El Nido, CA

1. Head west on W Sandy Mush Rd for 10.2 mi
2. Turn right, head northwest on canal levee for 1.6 mi
- \*\*Pass through gate using key provided by the Lower San Joaquin Levee District (Reggie Hill 209-769-9310)
3. Turn right, head north at bridge for 0.3 mi
4. Turn right, head northeast at bridge for 220 ft

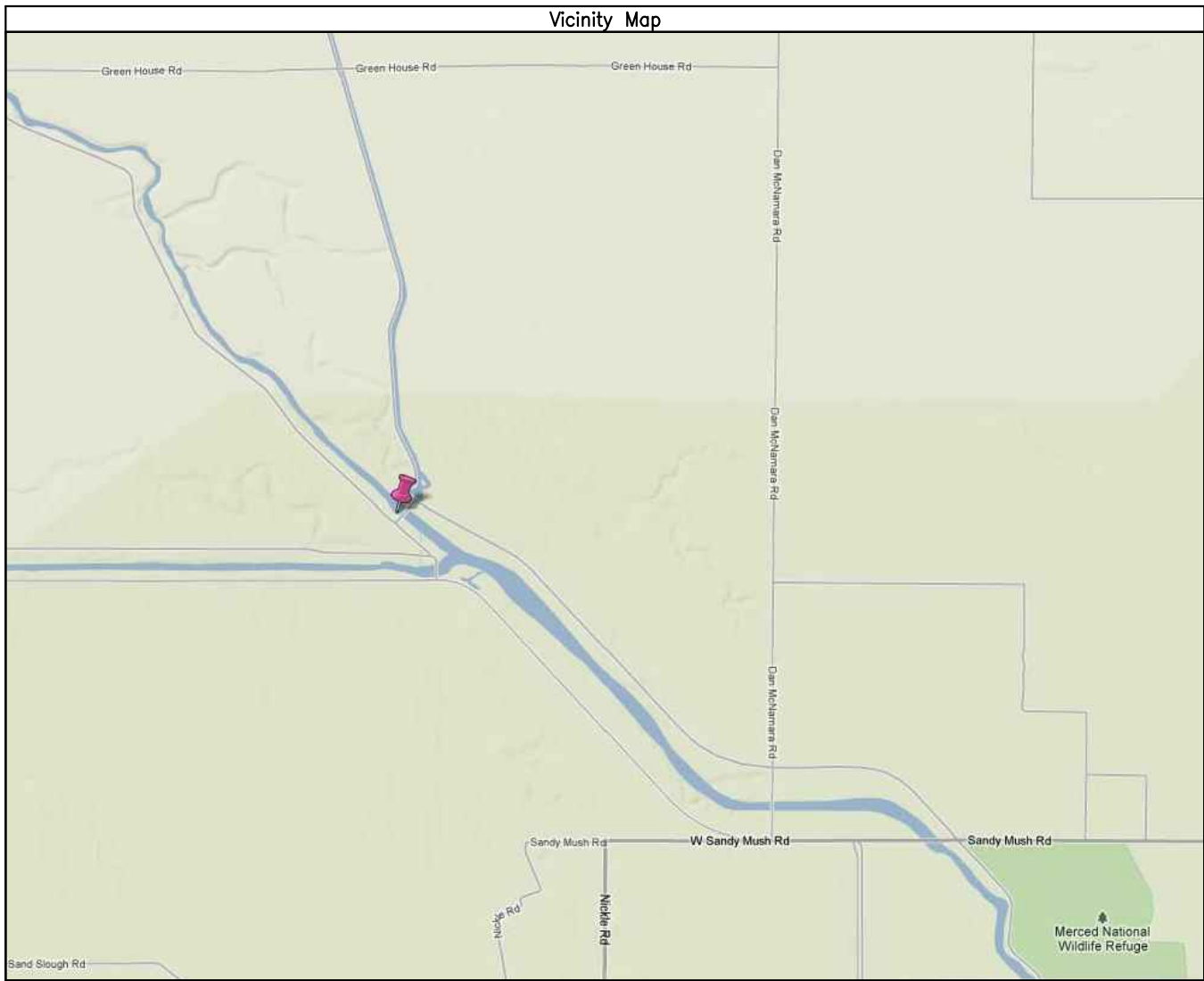
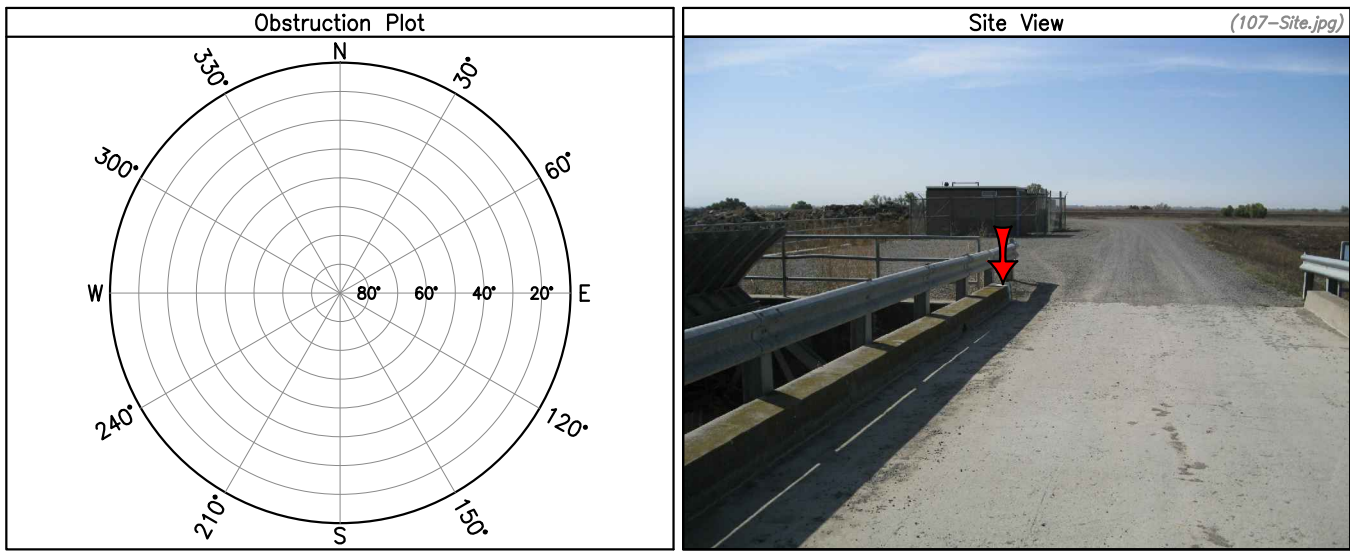
\*Point will be to the south at southwest end of the bridge

### Aerial View



Entered By: W. Harrison  
 Checked By: G. Davis

### SJRRP Geodetic Control Network





## SJRRP Geodetic Control Network

Date: 12/27/2011 Survey Date: 11/30/2011  
 City: Stevinson T: 8S R: 10E  
 County: Merced S: 10  
 State: California Meridian: Mount Diablo

### Final Adjusted Coordinates

Datum: NAD83 (Stat. GPS) Epoch: 2007.00

Latitude (DMS): N 37° 14' 51.58645"

Longitude (DMS): W 120° 51' 05.21693"

Projection: State Plane Zone: California 4

Northing (Grid): 2342536.69 usft.

Easting (Grid): 6022775.71 usft.

Datum: NAVD88 (Stat. GPS) Geoid: 2003

Ortho Height: 79.14 usft.

### Survey Mark Description

3" USGS Brass Disk, set in concrete pad.

Close Up View

(108-Close.jpg)



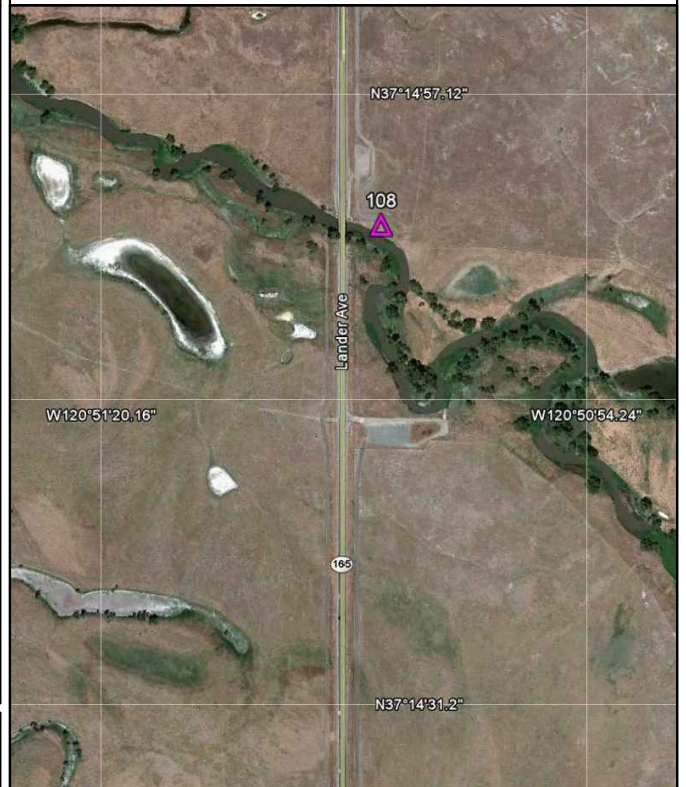
### Go To Directions

Starting at the intersection of CA-140 and CA-165 south of Stevinson, CA

1. Head south on CA-165 for 4.5 mi

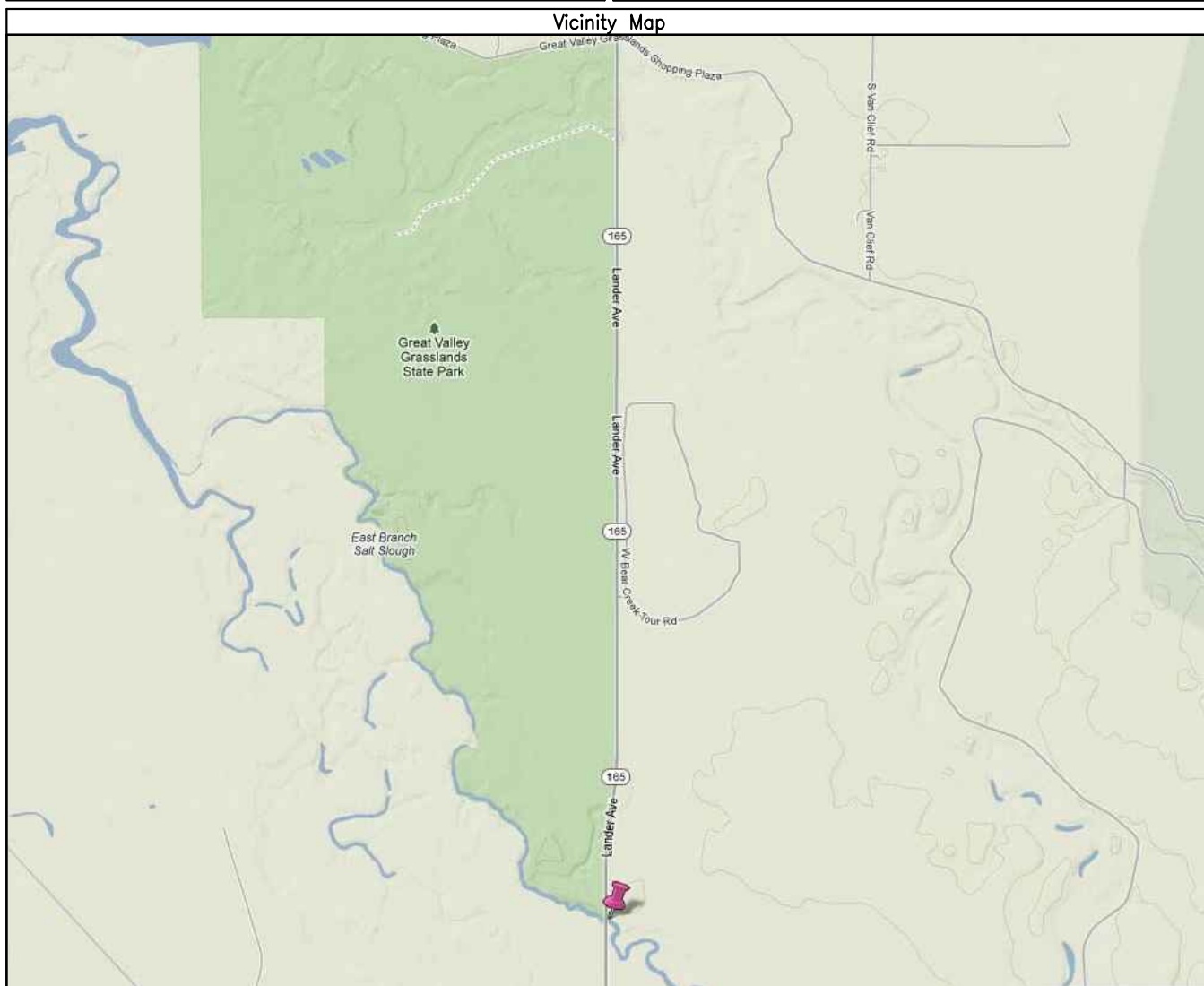
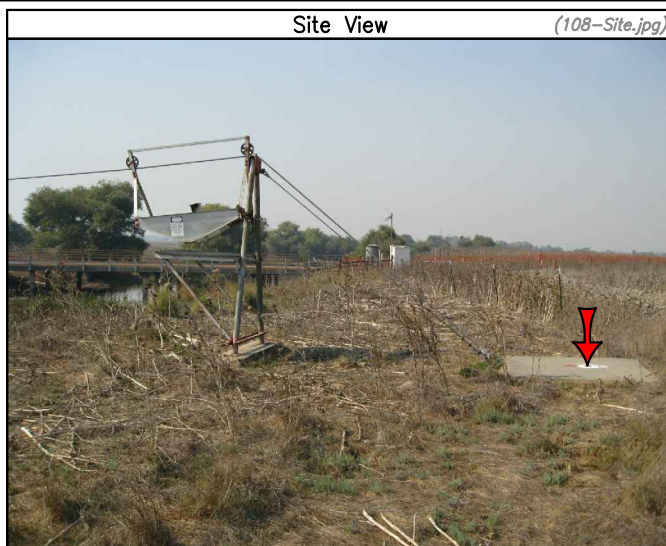
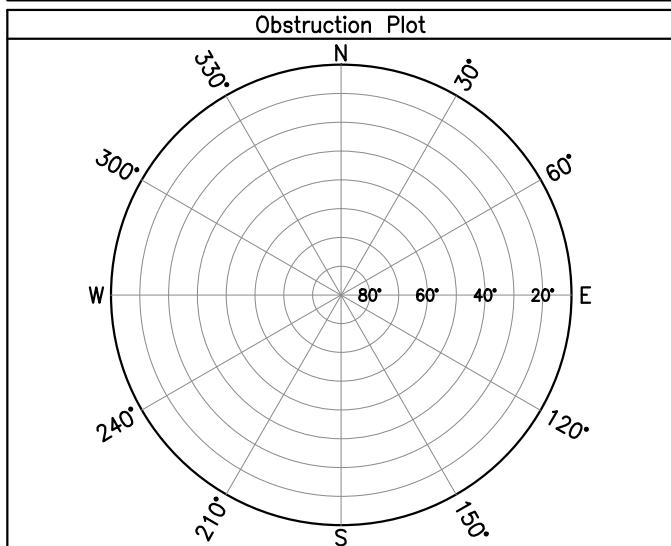
\*Point will be to the east of CA-165 and north of a river

Aerial View



Entered By: W. Harrison  
 Checked By: G. Davis

#### SJRRP Geodetic Control Network





## SJRRP Geodetic Control Network

Date: 12/27/2011 Survey Date: 11/30/2011  
 City: Stevinson T: 7S R: 10E  
 County: Merced S: 27  
 State: California Meridian: Mount Diablo

### Final Adjusted Coordinates

Datum: NAD83 (Stat. GPS) Epoch: 2007.00

Latitude (DMS): N 37° 17' 29.68073"

Longitude (DMS): W 120° 51' 05.32143"

Projection: State Plane Zone: California 4

Northing (Grid): 2358524.12 usft.

Easting (Grid): 6023075.51 usft.

Datum: NAVD88 (Stat. GPS) Geoid: 2003

Ortho Height: 79.67 usft.

### Survey Mark Description

3" USBR Brass Disk stamped "SJS", set in concrete structure.

### Go To Directions

Starting at the intersection of CA-140 and CA-165 south of Stevinson, CA

1. Head south on CA-165 for 1.5 mi

\*Point will be to the west of CA-165 and southeast of a gate

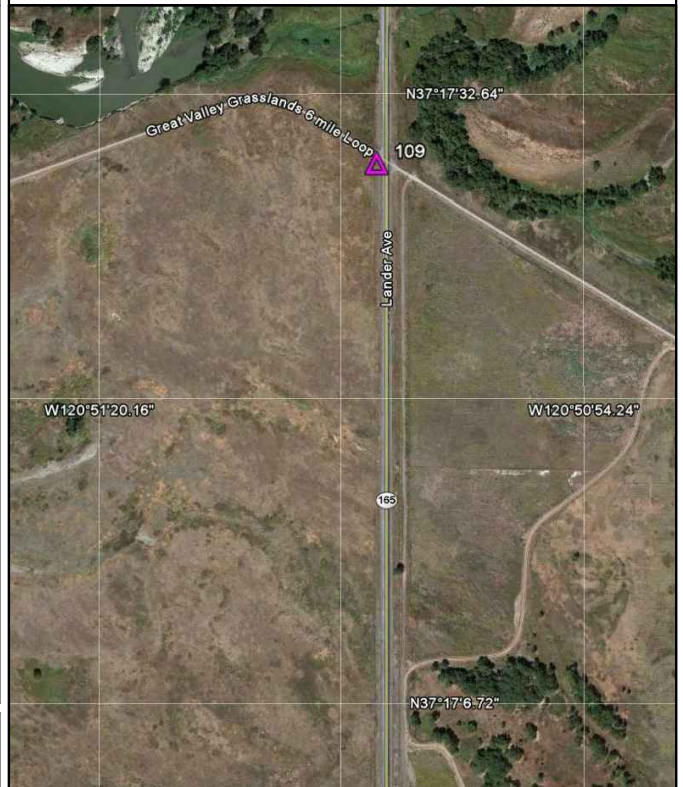
Entered By: W. Harrison  
 Checked By: G. Davis

Close Up View

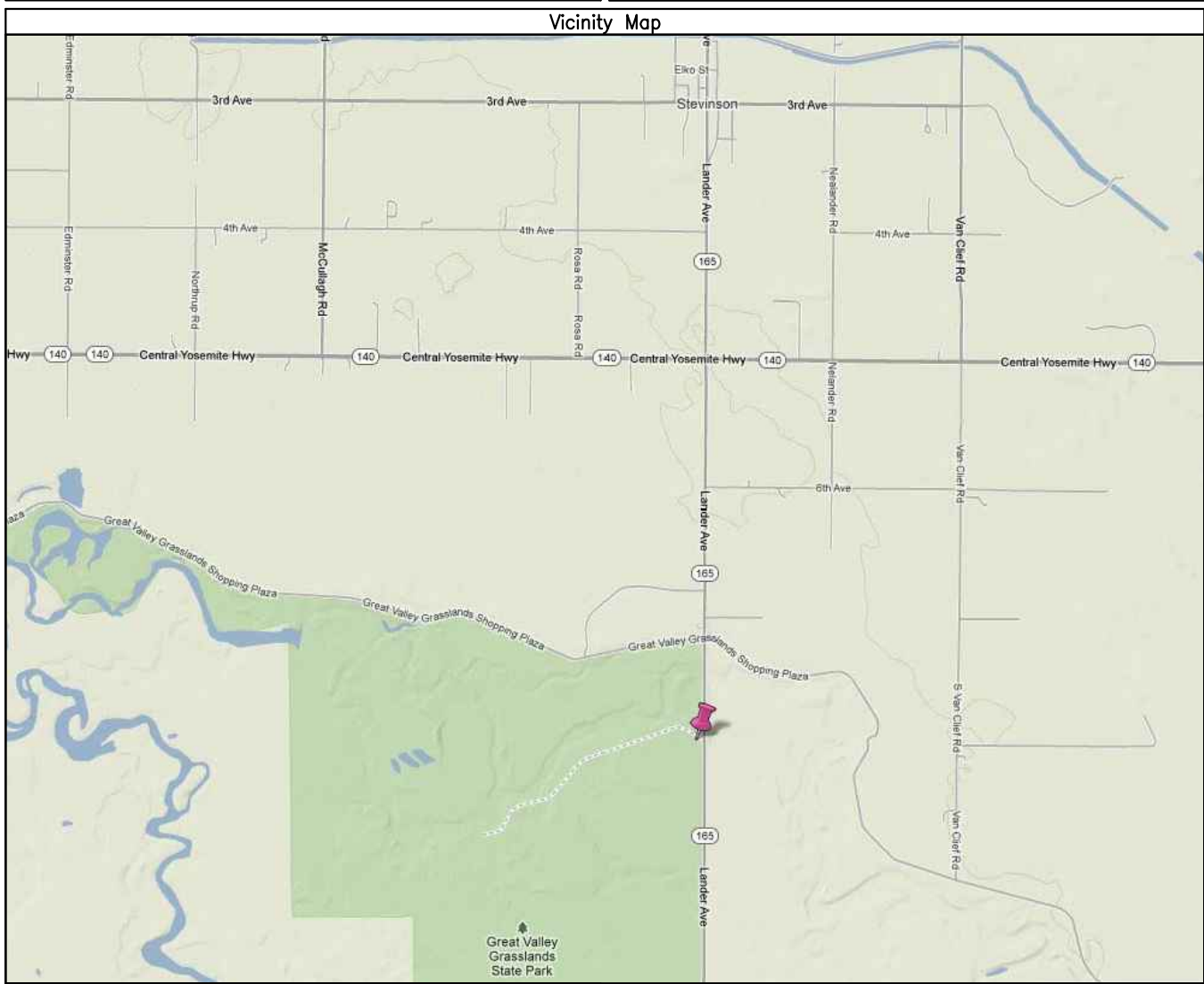
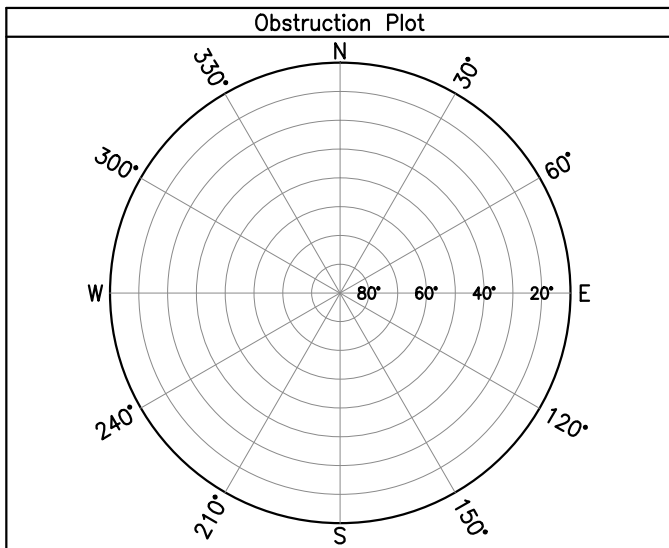
(109-Close.jpg)



Aerial View



### SJRRP Geodetic Control Network





## SJRRP Geodetic Control Network

Date: 12/27/2011 Survey Date: 11/30/2011  
 City: *Newman* Rancho: *Pescadero*  
 County: *Stanislaus*  
 State: *California* Meridian: *Mount Diablo*

Close Up View

(110-Close.jpg)

### Final Adjusted Coordinates

Datum: *NAD83 (Stat. GPS)* Epoch: *2007.00*

Latitude (DMS): *N 37° 20' 47.37029"*

Longitude (DMS): *W 120° 58' 41.43057"*

Projection: *State Plane* Zone: *California 4*

Northing (Grid): *2379250.12 usft.*

Easting (Grid): *5986636.49 usft.*

Datum: *NAVD88 (Stat. GPS)* Geoid: *2003*

Ortho Height: *71.39 usft.*



### Survey Mark Description

*3" USBR Aluminum Disk stamped "SMN/NEW", set on rebar approximately 10" below ground surface.*

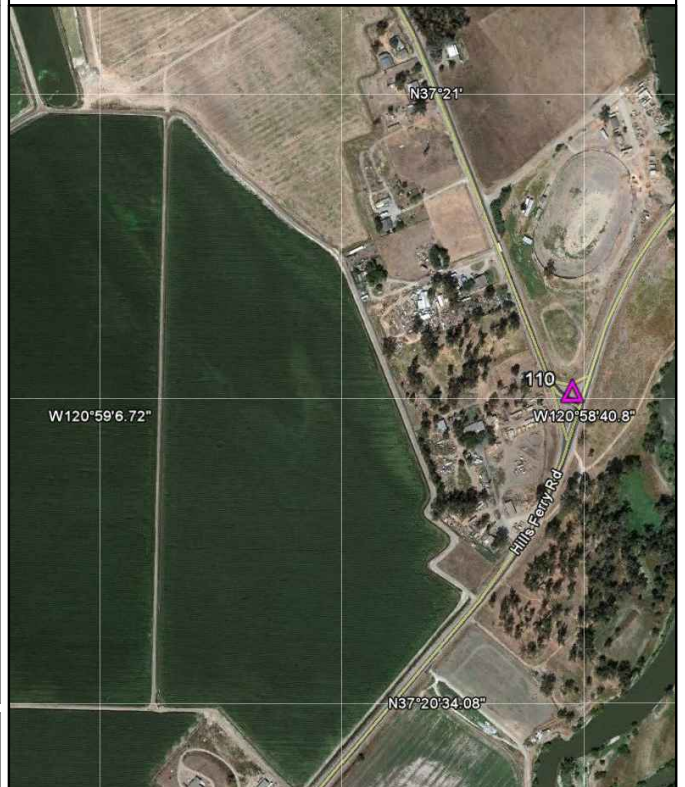
### Go To Directions

*Starting at the intersection of CA-33 and Merced St / Hills Ferry Rd in Newman, CA*

*1. Head northeast on Merced St / Hills Ferry Rd for 3.4 mi*

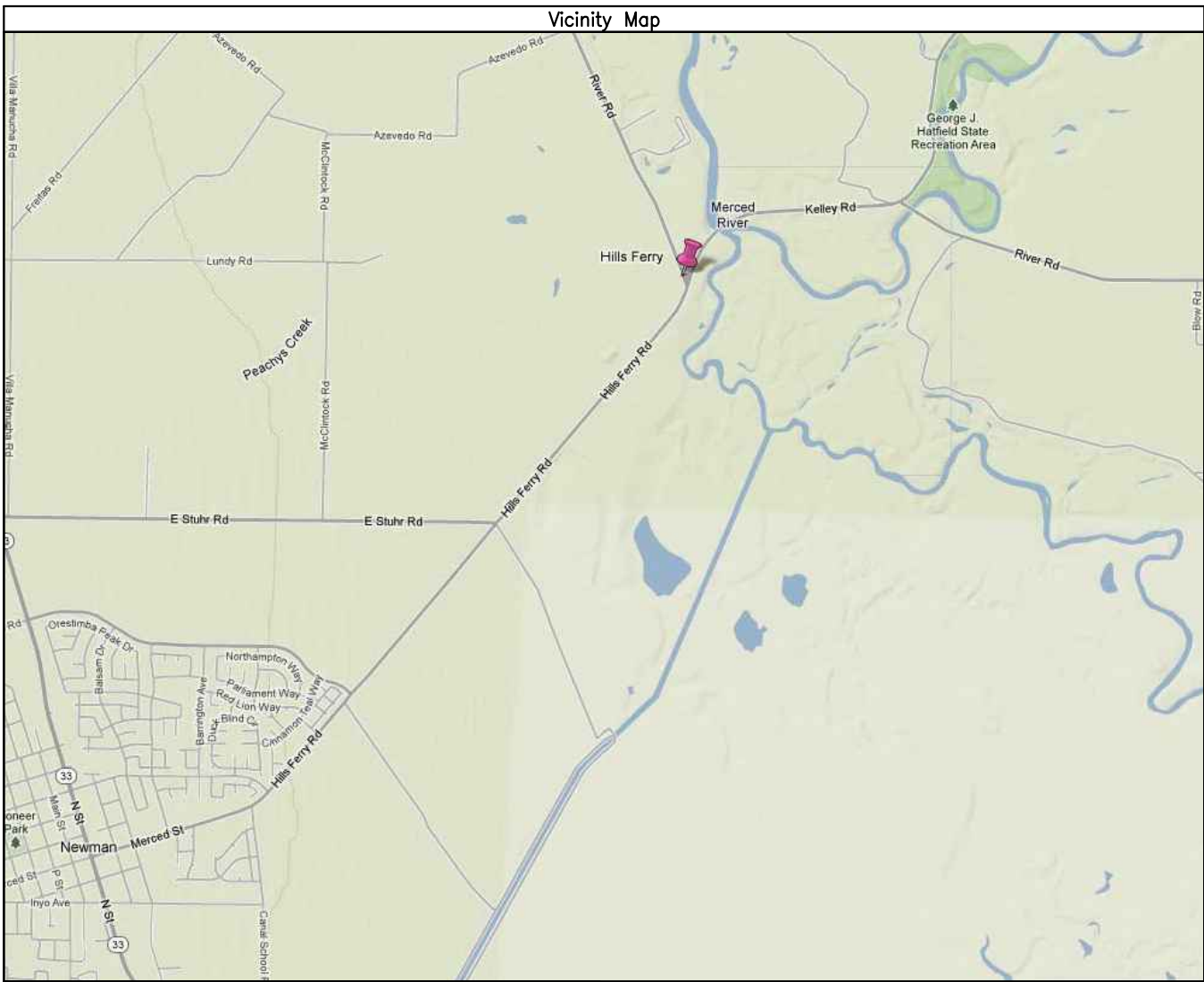
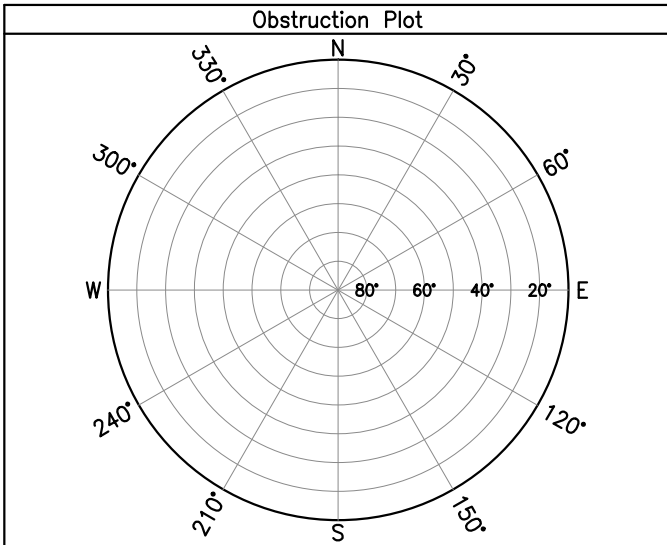
*\*Point will be to the west of Hills Ferry Rd in the north most island at the intersection of River Rd*

### Aerial View



Entered By: *W. Harrison*  
 Checked By: *G. Davis*

**SJRRP Geodetic Control Network**





## SJRRP Geodetic Control Network

Date: 12/27/2011 Survey Date: 11/30/2011  
 City: *Friant* T: 11S R: 21E  
 County: *Madera* S: 6  
 State: *California* Meridian: *Mount Diablo*

### Final Adjusted Coordinates

Datum: *NAD83 (Stat. GPS)* Epoch: *2007.00*  
 Latitude (DMS): *N 37° 00' 05.07473"*  
 Longitude (DMS): *W 119° 43' 15.52392"*

Projection: *State Plane* Zone: *California 4*  
 Northing (Grid): *2248471.78 usft.*  
 Easting (Grid): *6351131.26 usft.*

Datum: *NAVD88 (Stat. GPS)* Geoid: *2003*  
 Ortho Height: *384.82 usft.*

### Survey Mark Description

*3" USBR Brass Disk stamped "CTK", set in rock.*

### Go To Directions

*Starting at the intersection of N Friant Rd and Rd 206 in Friant, CA*

- 1. Head northwest on Rd 206 for 1.0 mi*
- 2. Turn right, head northeast on dirt road for 0.4 mi*

*\*\*Pass through gate using USBR 200 key*

*\*Point will be to the north of the dirt road*

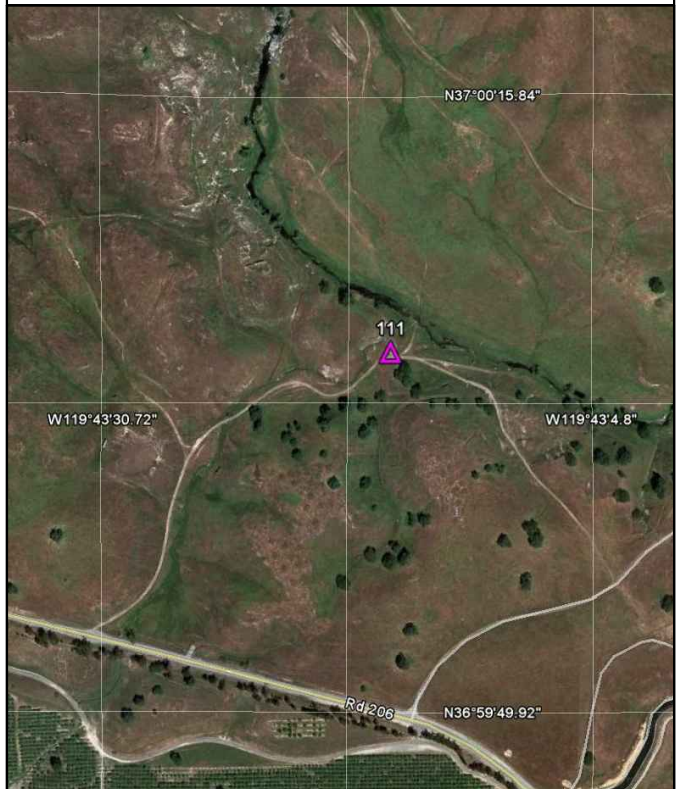
Entered By: *W. Harrison*  
 Checked By: *G. Davis*

Close Up View

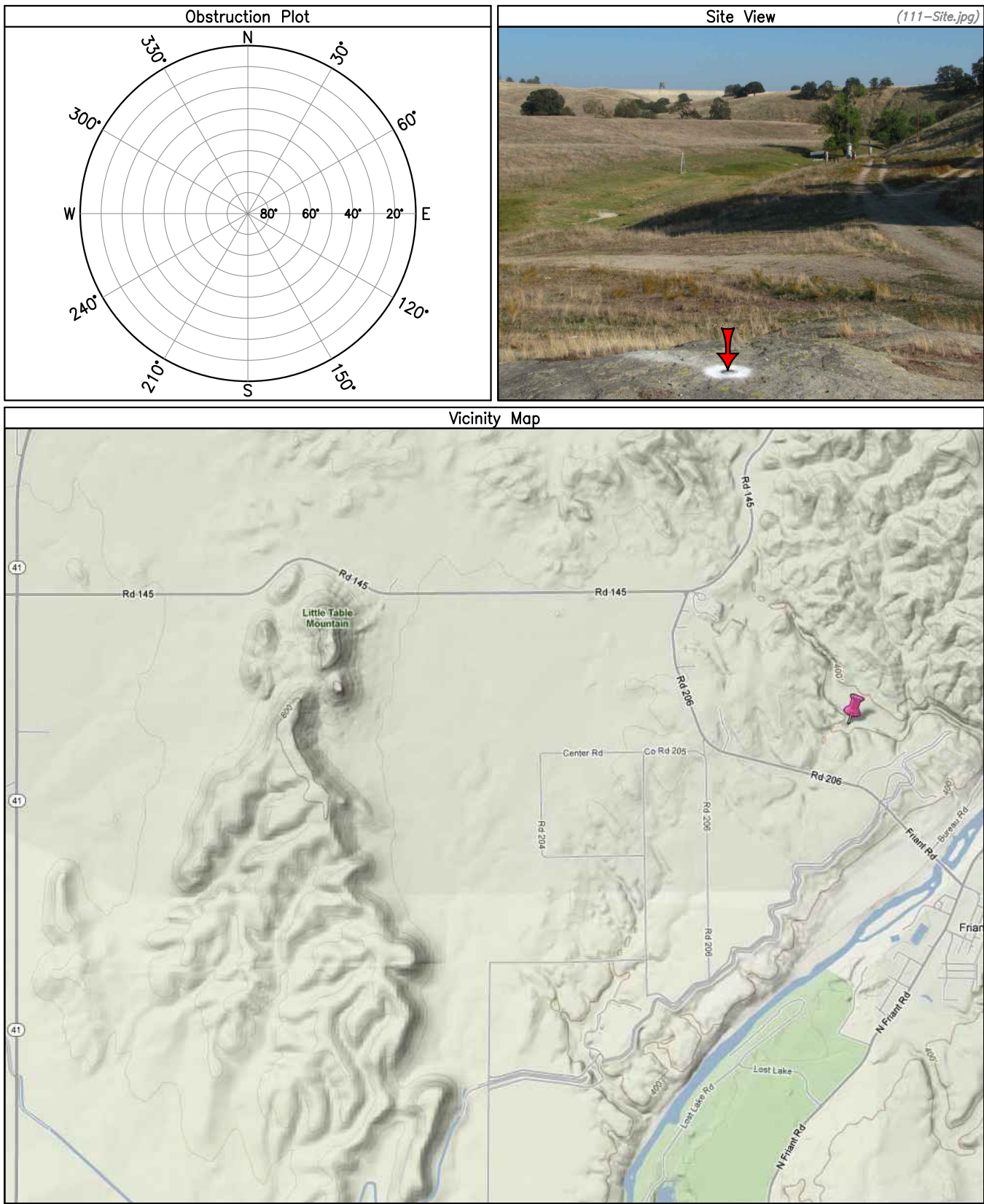
(111-Close.jpg)



Aerial View



### SJRRP Geodetic Control Network





## SJRRP Geodetic Control Network

Date: 12/27/2011 Survey Date: 11/30/2011  
 City: *Friant* T: 11S R: 21E  
 County: *Fresno* S: 7  
 State: *California* Meridian: *Mount Diablo*

### Final Adjusted Coordinates

Datum: *NAD83 (Stat. GPS)* Epoch: *2007.00*  
 Latitude (DMS): *N 36° 58' 54.53192"*  
 Longitude (DMS): *W 119° 43' 38.24116"*

Projection: *State Plane* Zone: *California 4*  
 Northing (Grid): *2241351.56 usft.*  
 Easting (Grid): *6349234.57 usft.*

Datum: *NAVD88 (Stat. GPS)* Geoid: *2003*  
 Ortho Height: *309.04 usft.*

### Survey Mark Description

*3" USBR Brass Disk stamped "SJF", set in rock.*

Close Up View

(112-Close.jpg)



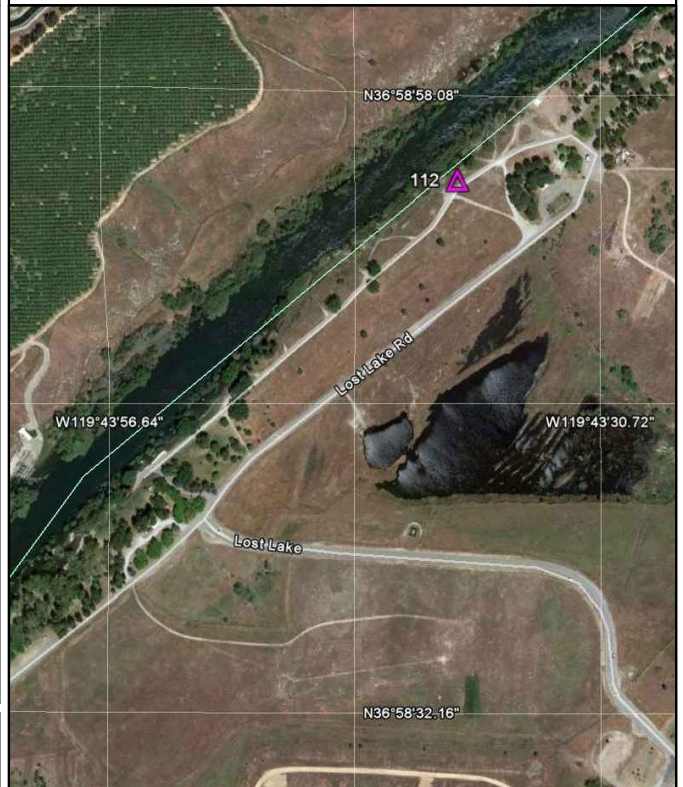
### Go To Directions

*Starting at the intersection of N Friant Rd and Rd 206 in Friant, CA*

- 1. Head southwest on N Friant Rd for 1.3 mi*
- 2. Turn right, head northwest on Lost Lake Rd for 0.5 mi*
- \*\*Pass through park kiosk*
- 3. Turn right, head northeast on Lost Lake Rd for 0.6 mi*

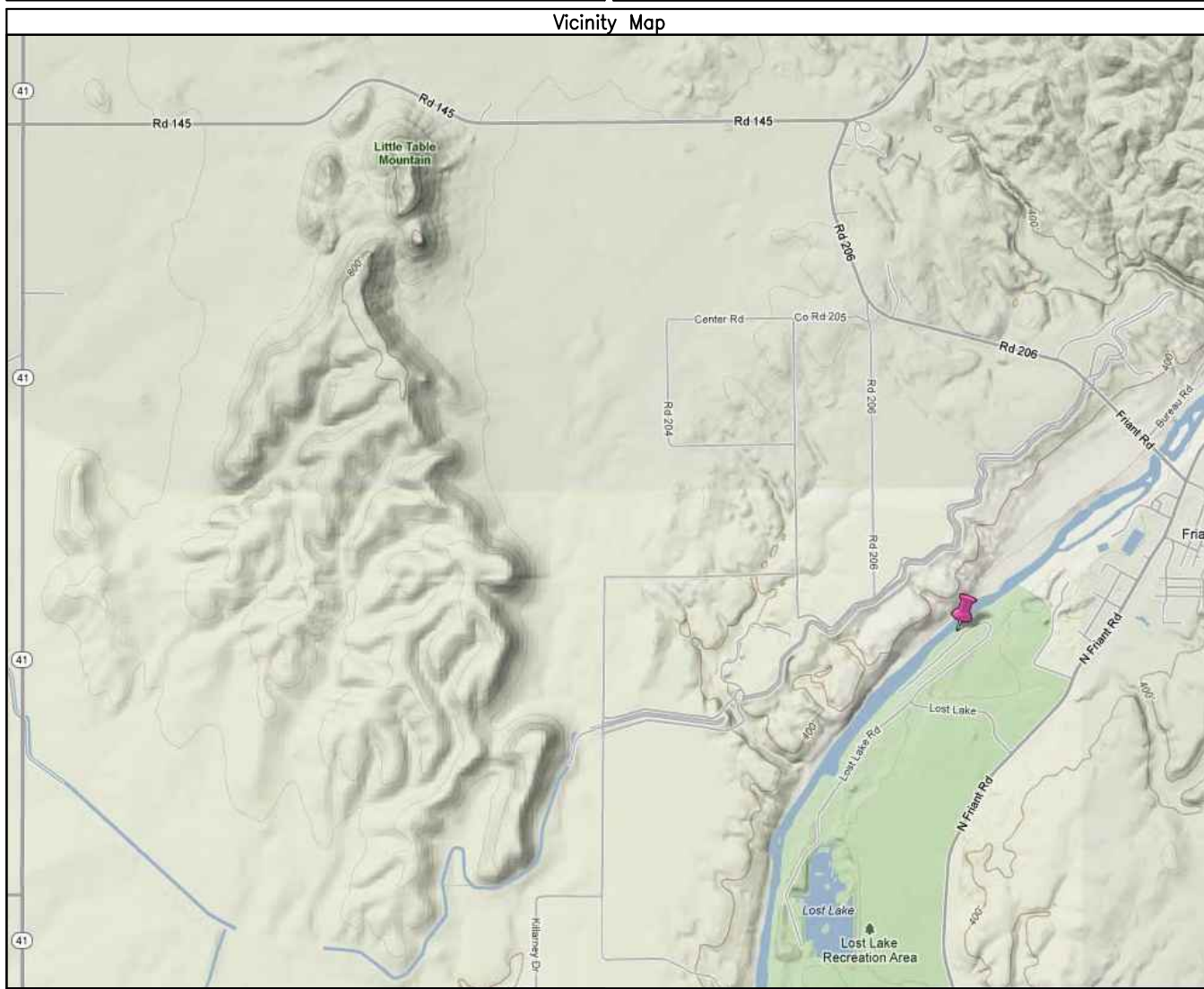
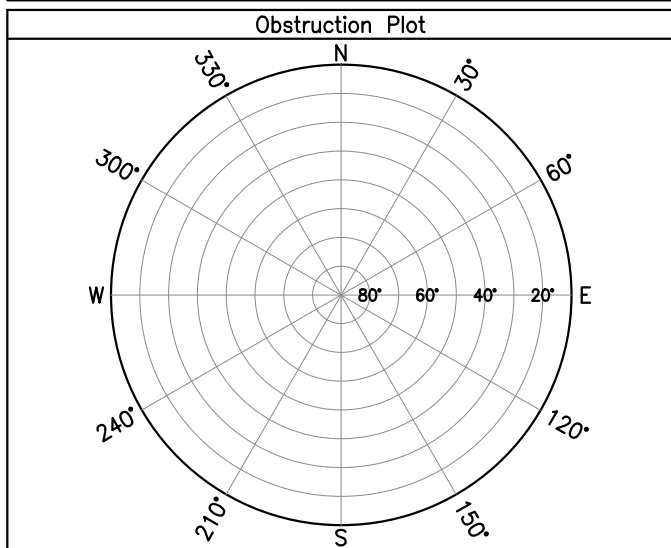
*\*Point will be to the north of Lost Lake Rd*

Aerial View



Entered By: *W. Harrison*  
 Checked By: *G. Davis*

### SJRRP Geodetic Control Network





## SJRRP Geodetic Control Network

Date: 12/27/2011 Survey Date: 11/30/2011  
 City: *Friant* T: 11S R: 21E  
 County: *Fresno* S: 31  
 State: *California* Meridian: *Mount Diablo*

Close Up View

(113-Close.jpg)

### Final Adjusted Coordinates

Datum: *NAD83 (Stat. GPS)* Epoch: *2007.00*

Latitude (DMS): *N 36° 56' 03.20029"*

Longitude (DMS): *W 119° 43' 48.12618"*

Projection: *State Plane* Zone: *California 4*

Northing (Grid): *2224030.75 usft.*

Easting (Grid): *6348300.84 usft.*

Datum: *NAVD88 (Stat. GPS)* Geoid: *2003*

Ortho Height: *312.31 usft.*



### Survey Mark Description

*2" CADWR Brass Disk stamped "DENISE, 2008", set in concrete structure.*

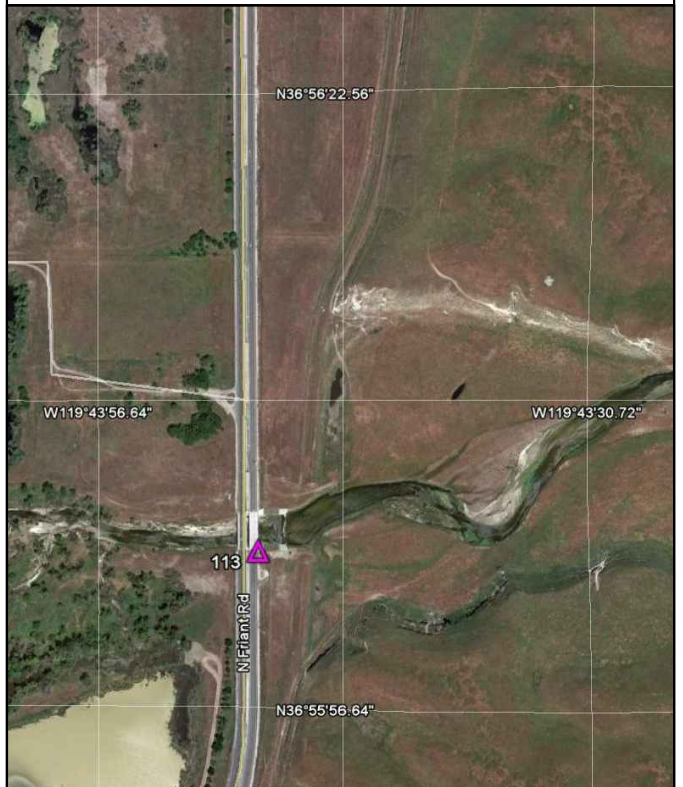
### Go To Directions

*Starting at the intersection of N Friant Rd and Rd 206 in Friant, CA*

*1. Head southeast on N Friant Rd for 4.2 mi*

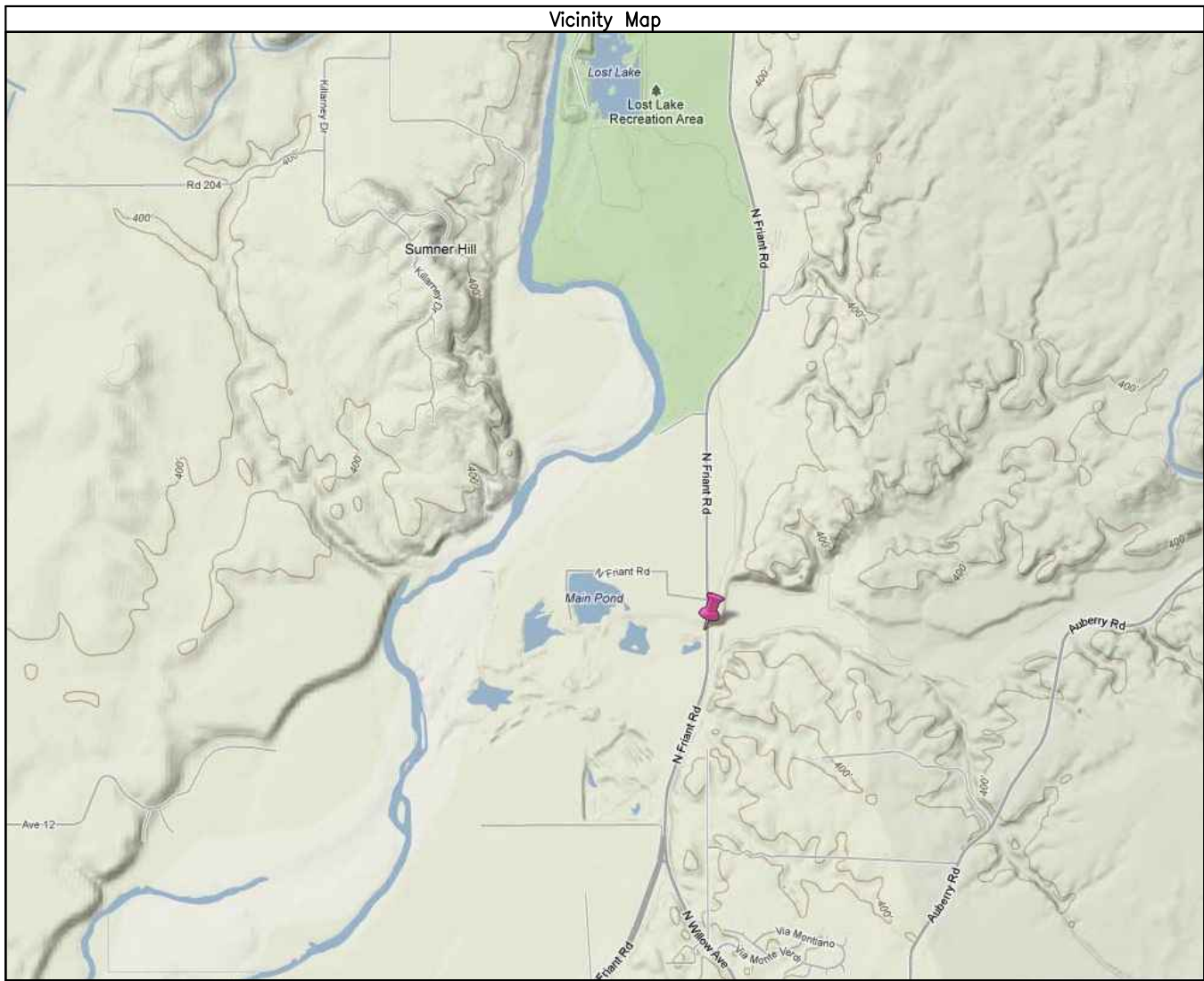
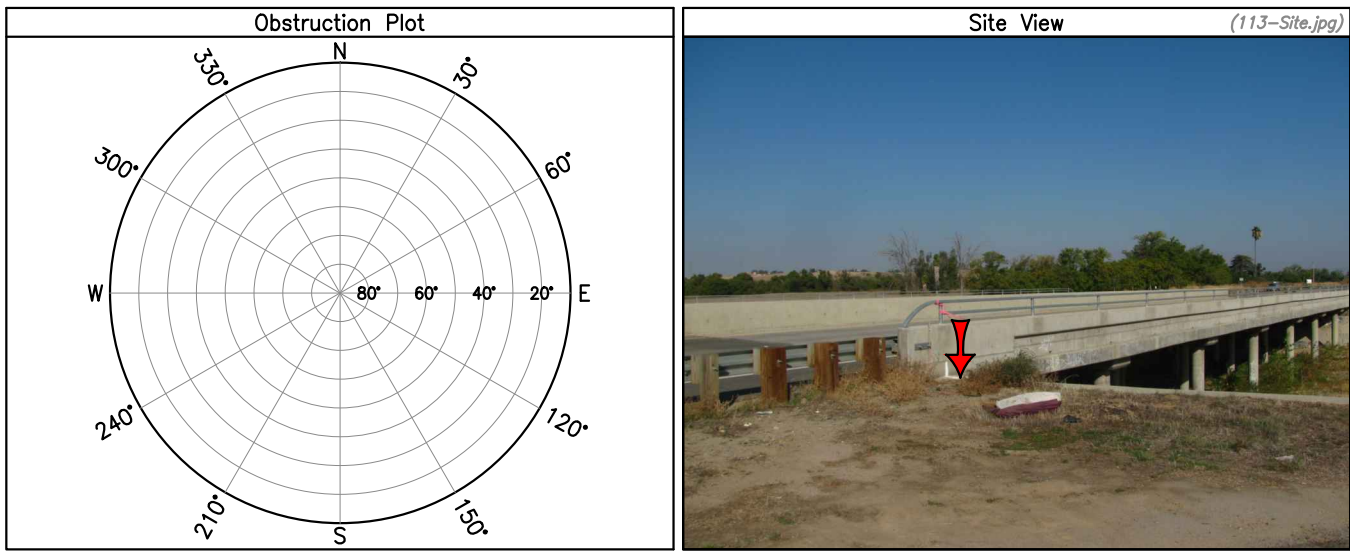
*\*Point will be to the east of N Friant Rd and south of a creek*

### Aerial View



Entered By: *W. Harrison*  
 Checked By: *G. Davis*

### SJRRP Geodetic Control Network





## SJRRP Geodetic Control Network

Date: 12/27/2011 Survey Date: 11/30/2011  
 City: Kerman T: 13S R: 17E  
 County: Fresno S: 20  
 State: California Meridian: Mount Diablo

### Final Adjusted Coordinates

Datum: NAD83 (Stat. GPS) Epoch: 2007.00

Latitude (DMS): N 36° 47' 34.18461"

Longitude (DMS): W 120° 08' 46.89407"

Projection: State Plane Zone: California 4

Northing (Grid): 2173745.69 usft.

Easting (Grid): 6226012.87 usft.

Datum: NAVD88 (Stat. GPS) Geoid: 2003

Ortho Height: 210.81 usft.

### Survey Mark Description

2" CADWR Brass Disk stamped "KAELA, 2008",  
 set in concrete structure.

Close Up View

(114-Close.jpg)



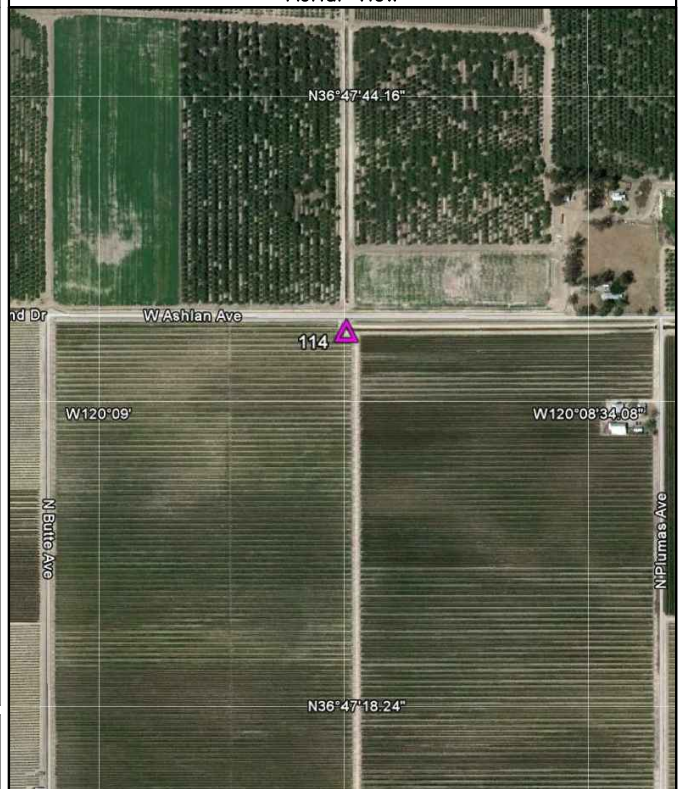
### Go To Directions

Starting at the intersection of CA-145 and CA-180 in Kerman, CA

1. Head west on CA-180 for 4.0 mi
2. Turn right, head north on N Lake Ave for 4.0 mi
3. Turn left, head west on W Ashlan Ave for 0.8 mi

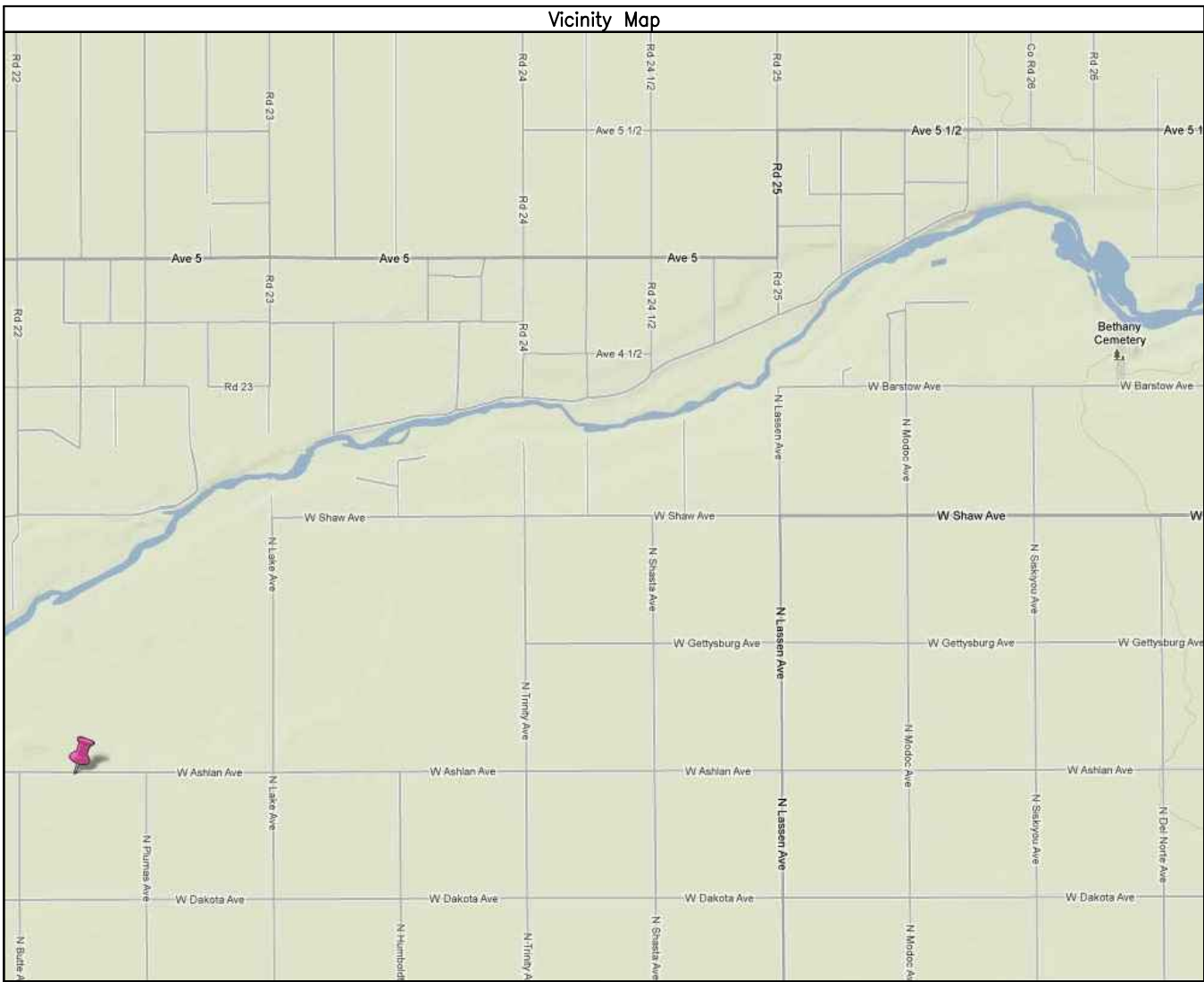
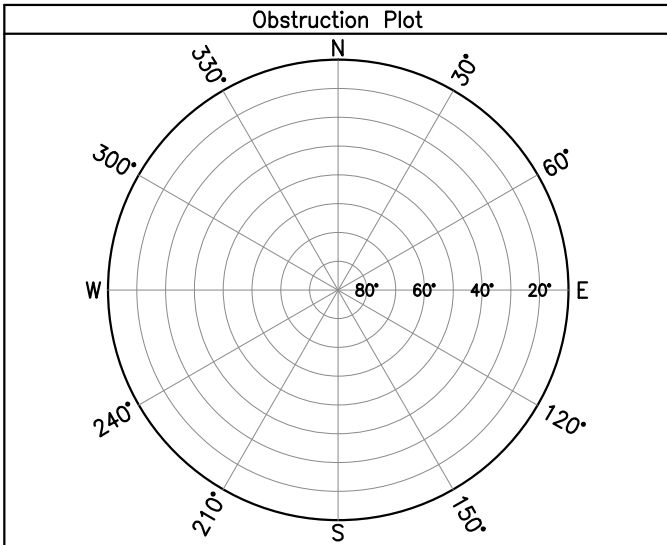
\*Point will be to the south of Ashlan Ave and south of canal

Aerial View



Entered By: W. Harrison  
 Checked By: G. Davis

**SJRRP Geodetic Control Network**





## SJRRP Geodetic Control Network

Date: 12/27/2011 Survey Date: 11/30/2011  
 City: Kerman T: 15S R: 16E  
 County: Fresno S: 1  
 State: California Meridian: Mount Diablo

### Final Adjusted Coordinates

Datum: NAD83 (Stat. GPS) Epoch: 2007.00

Latitude (DMS): N 36° 39' 02.76435"

Longitude (DMS): W 120° 10' 44.25692"

Projection: State Plane Zone: California 4

Northing (Grid): 2122146.20 usft.

Easting (Grid): 6215832.96 usft.

Datum: NAVD88 (Stat. GPS) Geoid: 2003

Ortho Height: 173.17 usft.

### Survey Mark Description

3" Brass Disk stamped "NLD206", set in concrete structure.

### Go To Directions

Starting at the intersection of CA-145 and CA-180 in Kerman, CA

1. Head south on CA-145 for 5.0 mi
2. Turn left, head west on W American Ave for 5.9 mi
3. Turn left, head southwest on S Placer Ave for 1.0 mi

\*Point will be to the east of S Placer Ave and south of a canal

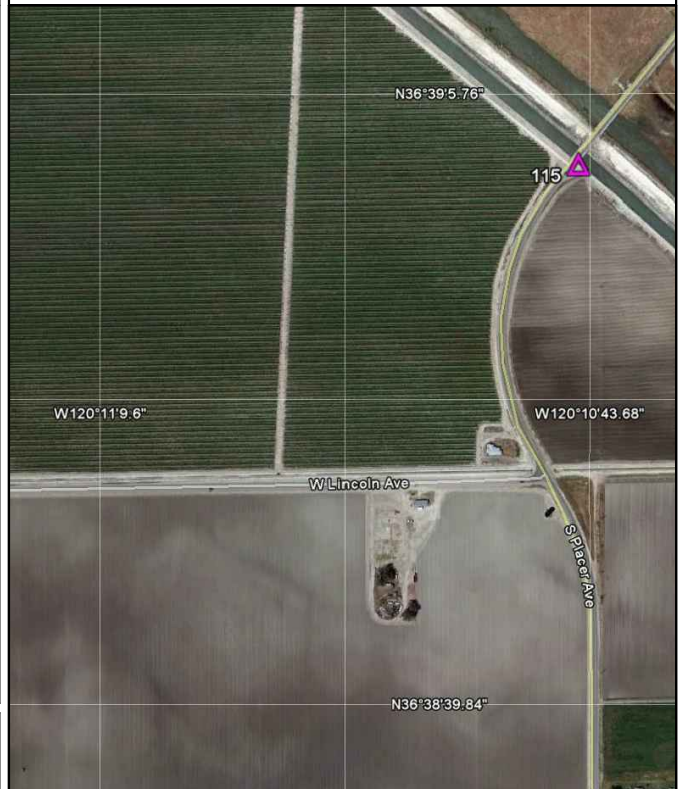
Entered By: W. Harrison  
 Checked By: G. Davis

Close Up View

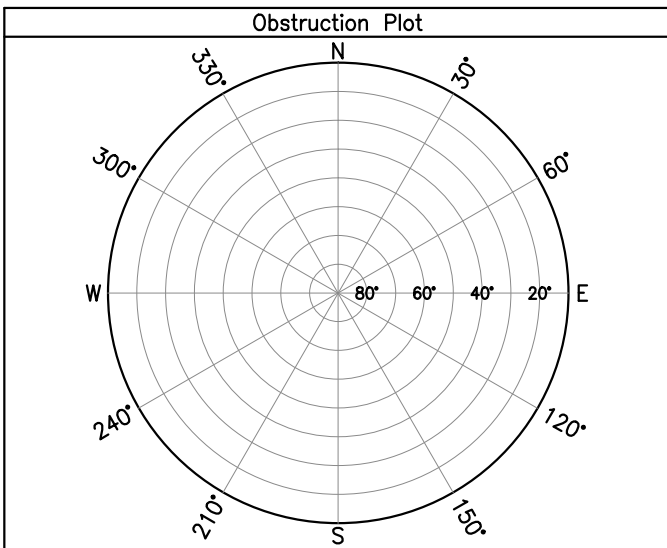
(115-Close.jpg)



Aerial View



### SJRRP Geodetic Control Network





## SJRRP Geodetic Control Network

Date: 12/27/2011 Survey Date: 11/30/2011  
 City: Mendota T: 13S R: 15E  
 County: Fresno S: 7  
 State: California Meridian: Mount Diablo

### Final Adjusted Coordinates

Datum: NAD83 (Stat. GPS) Epoch: 2007.00

Latitude (DMS): N 36° 48' 39.14433"

Longitude (DMS): W 120° 22' 42.73514"

Projection: State Plane Zone: California 4

Northing (Grid): 2181208.00 usft.

Easting (Grid): 6158129.75 usft.

Datum: NAVD88 (Stat. GPS) Geoid: 2003

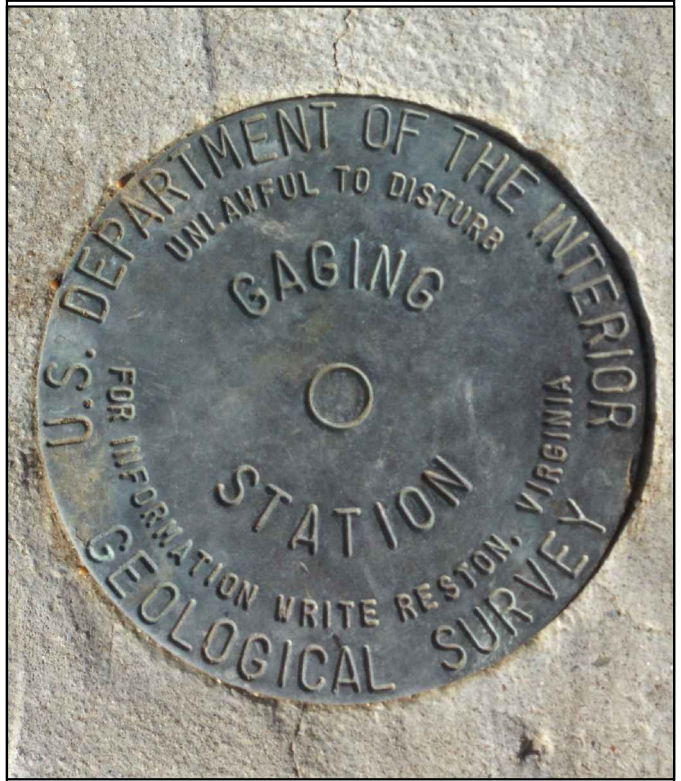
Ortho Height: 155.06 usft.

### Survey Mark Description

3" USGS Brass Disk, set in concrete block.

Close Up View

(116-Close.jpg)



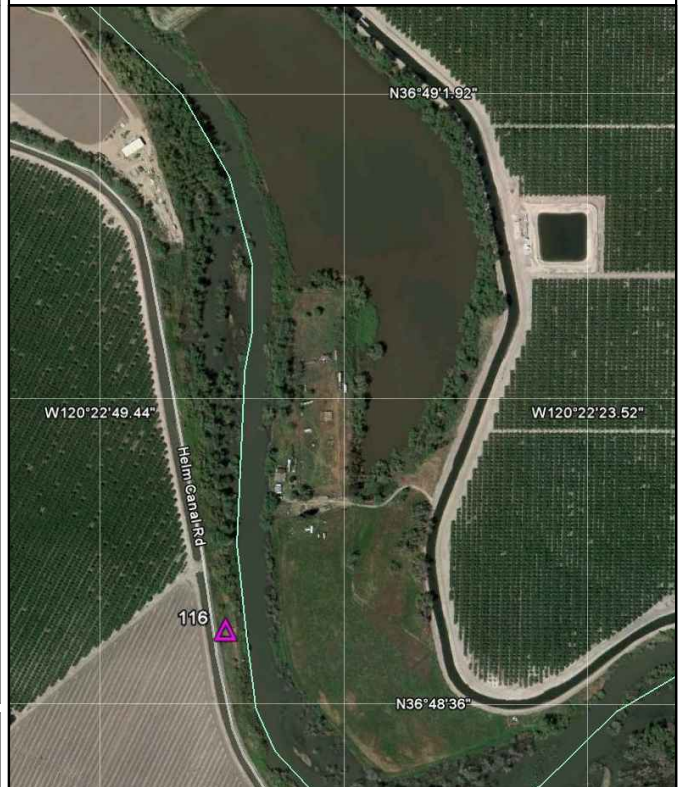
### Go To Directions

Starting at the CA-33 / CA-180 split in Mendota, CA

1. Head north on CA-33 for 0.2 mi
2. Turn right, head northeast on Bass Ave for 2.1 mi
3. Turn left, head northwest on unpaved private road for 0.4 mi
4. Turn left, head northwest for 0.3 mi
5. Turn right, head northwest for 0.8 mi
6. Turn right, head northeast for 0.4 mi
7. Turn right, head southeast for 300 ft

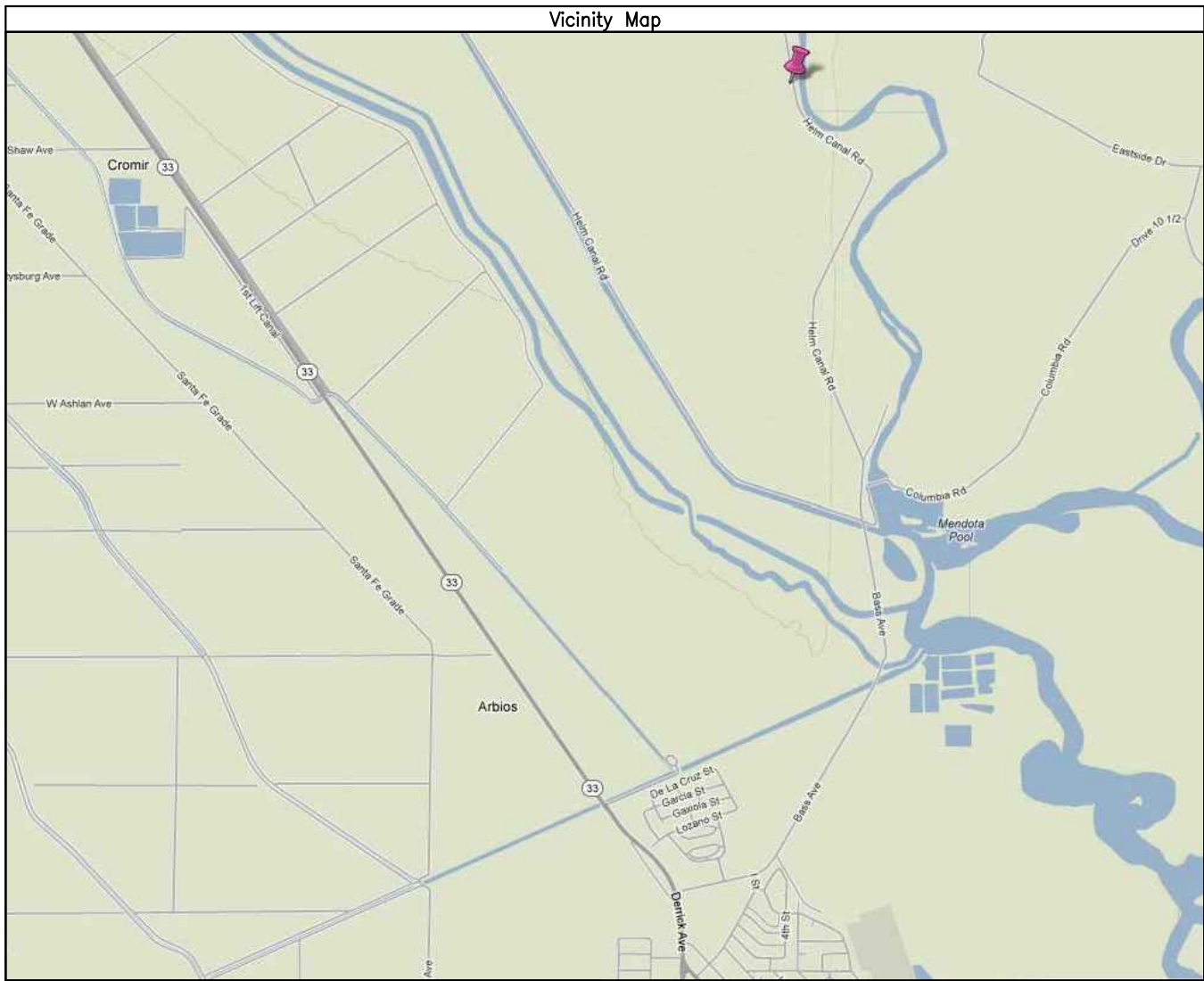
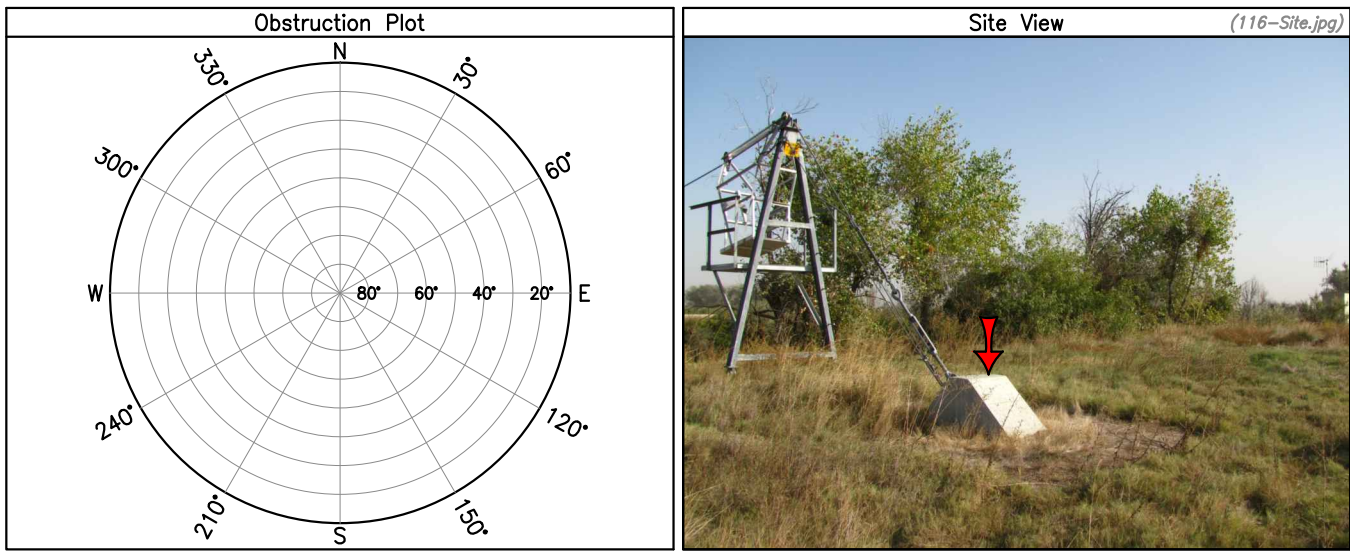
\*Point will be to the east of a canal and west of a river

Aerial View



Entered By: W. Harrison  
 Checked By: G. Davis

### SJRRP Geodetic Control Network





## SJRRP Geodetic Control Network

Date: 12/27/2011 Survey Date: 11/30/2011  
 City: Turlock T: 5S R: 10E  
 County: Merced S: 25  
 State: California Meridian: Mount Diablo

### Final Adjusted Coordinates

Datum: NAD83 (Stat. GPS) Epoch: 2007.00

Latitude (DMS): N 37° 27' 48.81226"

Longitude (DMS): W 120° 48' 45.63688"

Projection: State Plane Zone: California 4

Northing (Grid): 2420921.47 usft.

Easting (Grid): 6035543.27 usft.

Datum: NAVD88 (Stat. GPS) Geoid: 2003

Ortho Height: 111.28 usft.

### Survey Mark Description

2" Brass Disk stamped "T.I.D. 179, 109.28", set in concrete structure.

NGS PID: HS4510

### Go To Directions

Starting at the intersection of CA-99 and CA-165 in Turlock, CA

1. Head southeast on CA-99 for 3.0 mi
2. Turn right, head southeast at exit 208 / Bradbury Rd for 0.3 mi
3. Turn right, head west on Bradbury Rd for 0.1 mi
4. Turn right, head northwest on Clausen rd for 1.0 mi
5. Turn right, head north on Griffith Rd for 0.5 mi
6. Turn left, head northwest on W Harding Rd for 320 ft

\*Point will be to the northeast of W Harding Rd and south of a canal

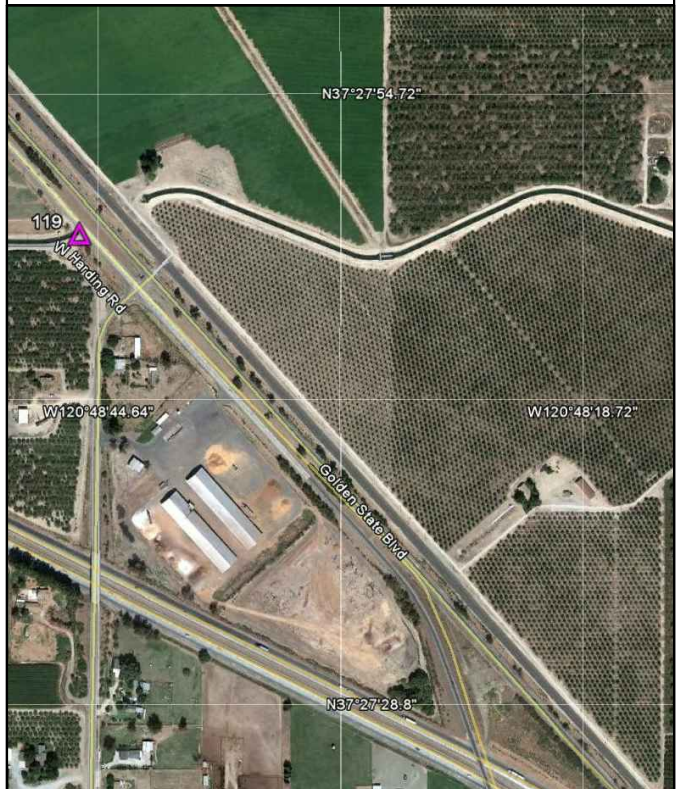
Entered By: W. Harrison  
 Checked By: G. Davis

Close Up View

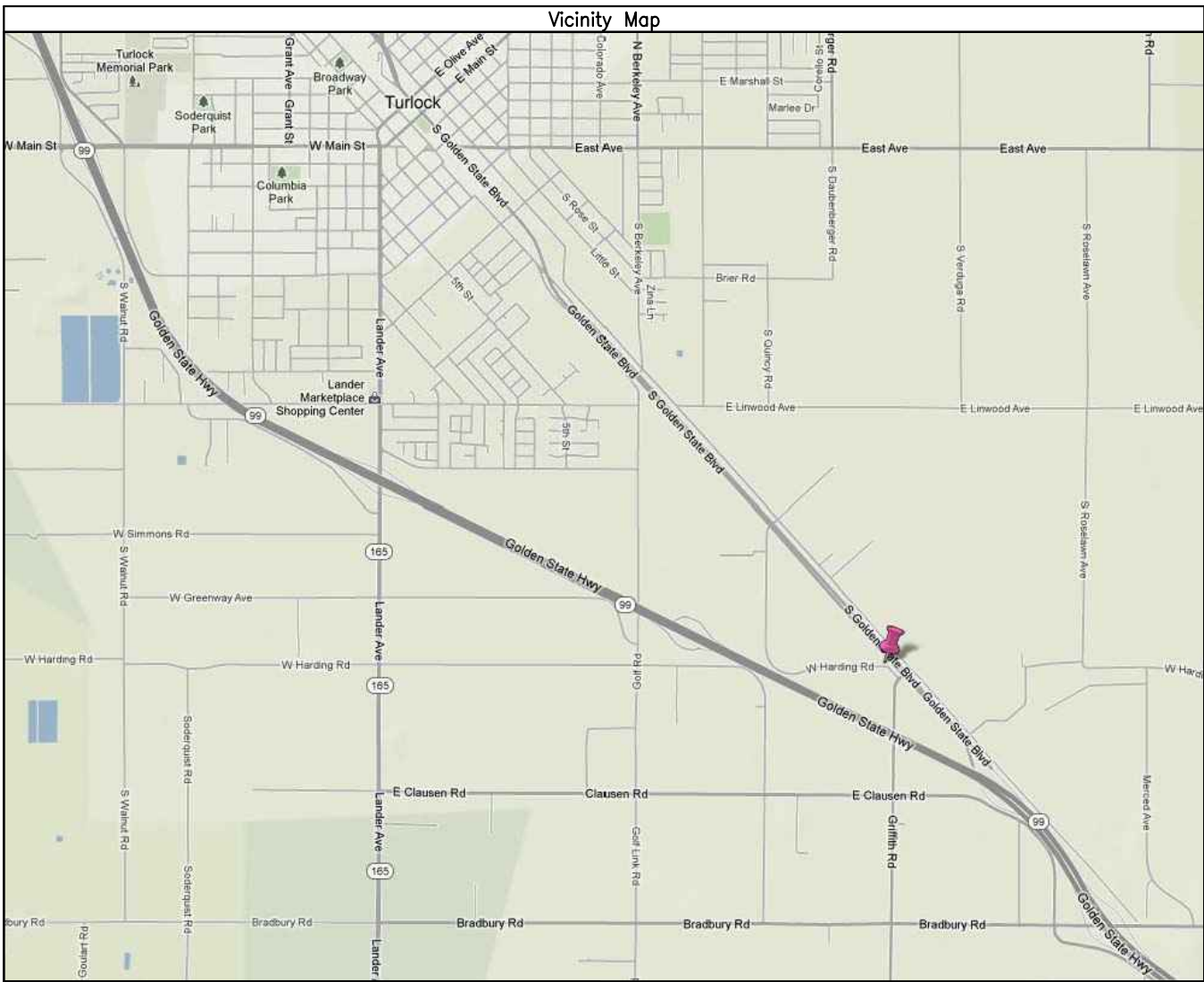
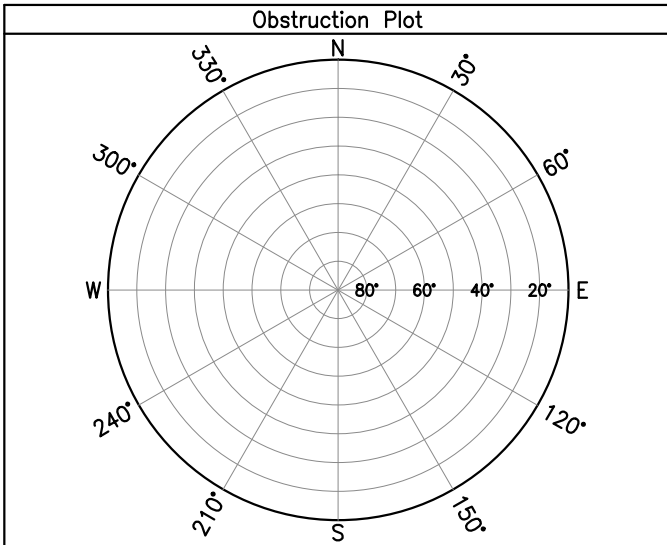
(119-Close.jpg)



Aerial View



## SJRRP Geodetic Control Network





## SJRRP Geodetic Control Network

Date: 12/27/2011 Survey Date: 11/30/2011  
 City: *Friant* T: 11S R: 21E  
 County: *Fresno* S: 5  
 State: *California* Meridian: *Mount Diablo*

### Final Adjusted Coordinates

Datum: *NAD83 (Stat. GPS)* Epoch: *2007.00*

Latitude (DMS): *N 36° 59' 47.24011"*

Longitude (DMS): *W 119° 42' 05.42969"*

Projection: *State Plane* Zone: *California 4*

Northing (Grid): *2246626.02 usft.*

Easting (Grid): *6356803.66 usft.*

Datum: *NAVD88 (Stat. GPS)* Geoid: *2003*

Ortho Height: *606.68 usft.*

### Survey Mark Description

*3" USBR Brass Disk stamped "604.164", set in concrete block.*

Close Up View

(120-Close.jpg)



### Go To Directions

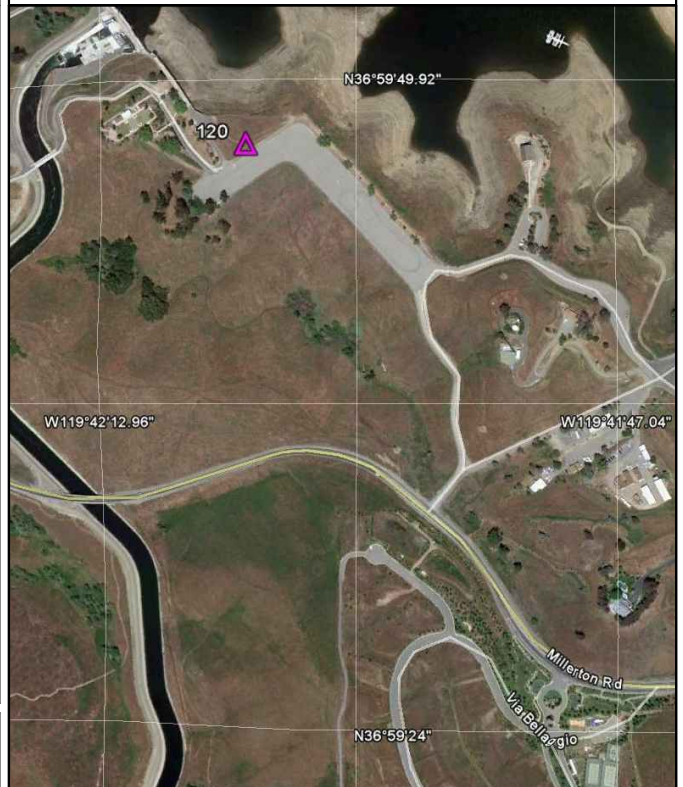
*Starting at the intersection of N Friant Rd and Rd 206 in Friant, CA*

- 1. Head northeast on N Friant Rd / Millerton Rd for 0.2 mi*
- 2. Turn left, head northeast on Millerton Rd for 420 ft*

*\*\*Pass through security gate at USBR facility to be escorted*

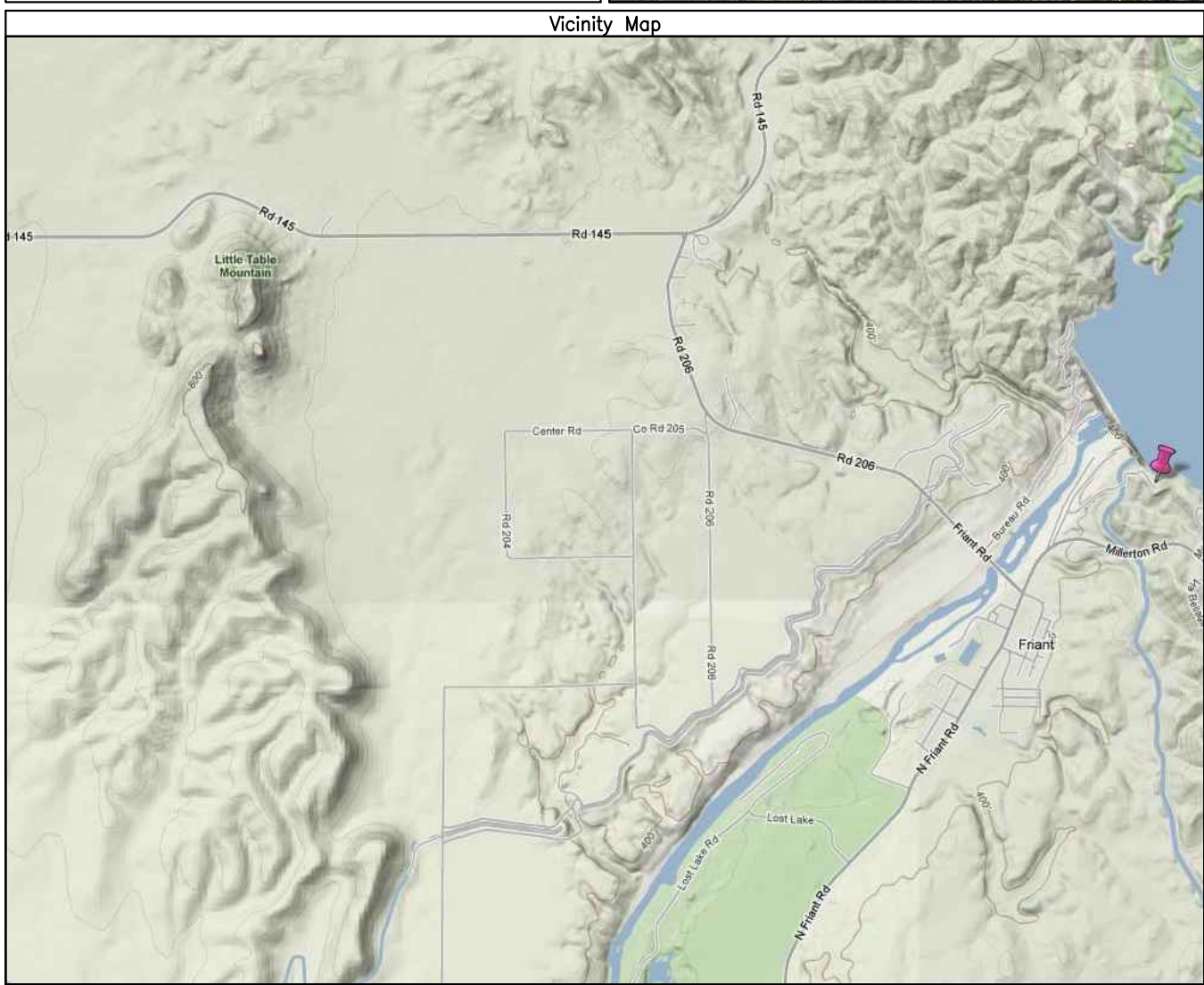
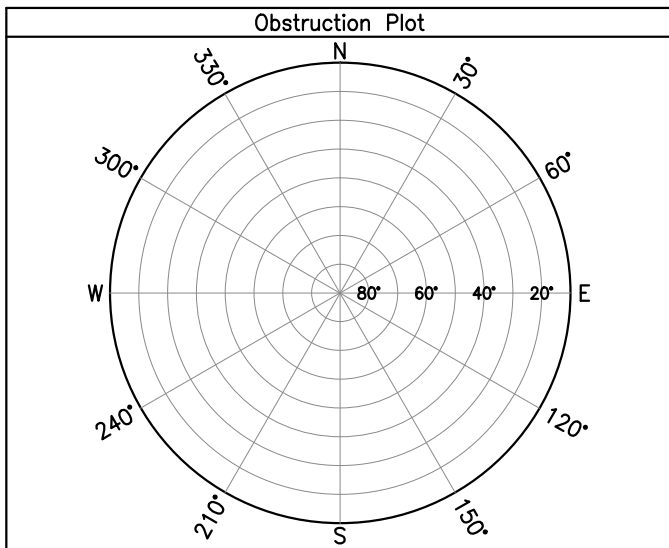
*\*Point will be to the southeast of the left wing of Friant Dam*

Aerial View



Entered By: *W. Harrison*  
 Checked By: *G. Davis*

### SJRRP Geodetic Control Network





## SJRRP Geodetic Control Network

Date: 12/27/2011 Survey Date: 11/30/2011  
 City: Los Banos T: 11S R: 13E  
 County: Fresno S: 12  
 State: California Meridian: Mount Diablo

### Final Adjusted Coordinates

Datum: NAD83 (Stat. GPS) Epoch: 2007.00  
 Latitude (DMS): N 36° 58' 58.85939"  
 Longitude (DMS): W 120° 30' 03.07763"

Projection: State Plane Zone: California 4  
 Northing (Grid): 2244410.17 usft.  
 Easting (Grid): 6123306.18 usft.

Datum: NAVD88 (Stat. GPS) Geoid: 2003  
 Ortho Height: 129.76 usft.

### Survey Mark Description

1.5" Brass Disk stamped "375", set in concrete structure.

NGS PID: GU0762

### Go To Directions

Starting at the CA-33 / CA-152 split east of Los Banos, CA

1. Head south on CA-33 for 4.7 mi
2. Turn left, head east on Valeria St for 7.4 mi
3. Turn left, head north on canal levee for 330 ft

\*\*Pass through gate using 2001 key

\*Point will be to the west of the canal levee and east of a concrete flume

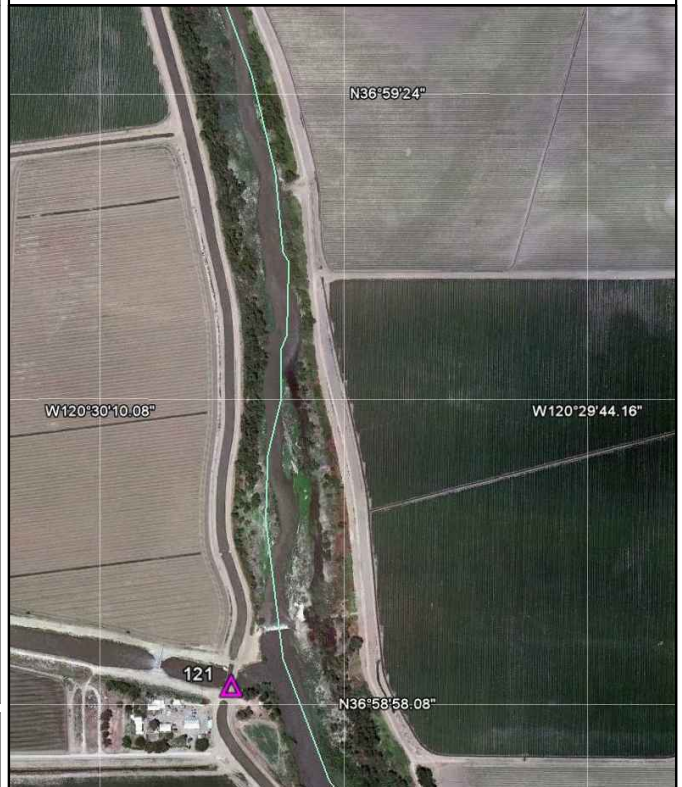
Entered By: W. Harrison  
 Checked By: G. Davis

Close Up View

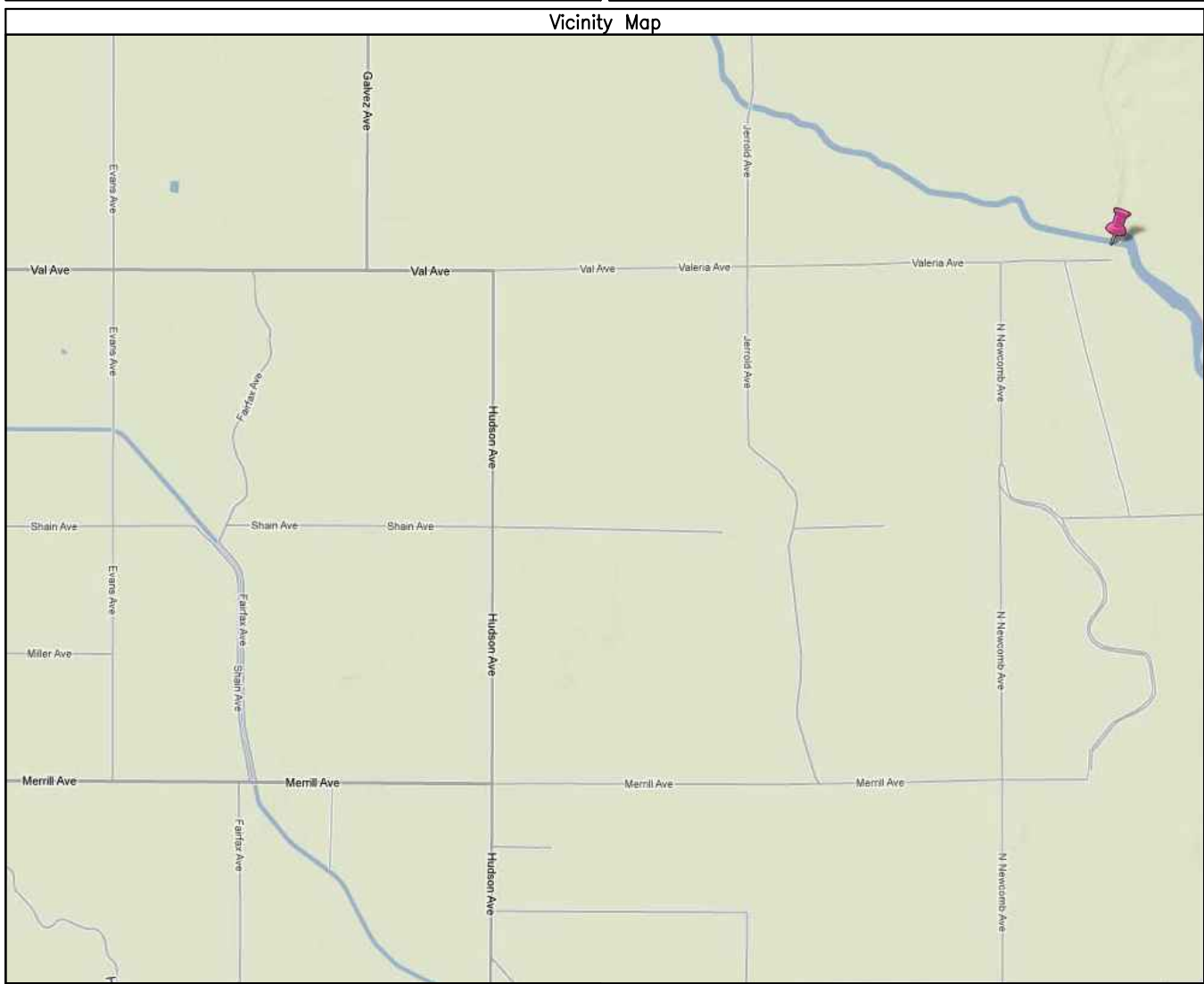
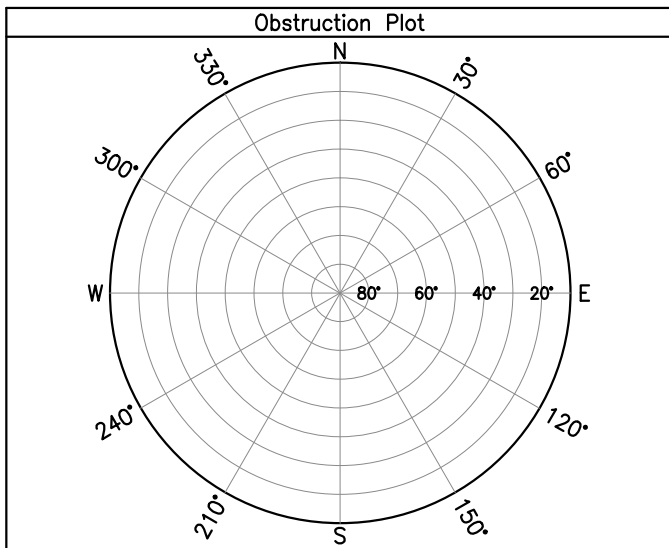
(121-Close.jpg)



Aerial View



## SJRRP Geodetic Control Network





## SJRRP Geodetic Control Network

Date: 12/27/2011 Survey Date: 11/30/2011  
 City: Mendota T: 13S R: 14E  
 County: Fresno S: 25  
 State: California Meridian: Mount Diablo

### Final Adjusted Coordinates

Datum: NAD83 (Stat. GPS) Epoch: 2007.00

Latitude (DMS): N 36° 46' 12.15517"

Longitude (DMS): W 120° 23' 32.24678"

Projection: State Plane Zone: California 4

Northing (Grid): 2166402.70 usft.

Easting (Grid): 6153888.57 usft.

Datum: NAVD88 (Stat. GPS) Geoid: 2003

Ortho Height: 168.00 usft.

### Survey Mark Description

3" CADT Aluminum Disk stamped "ALEX5,  
 2003", set in concrete structure.

NGS PID: DH6668

### Go To Directions

Starting at the CA-33 / CA-180 split in  
 Mendota, CA

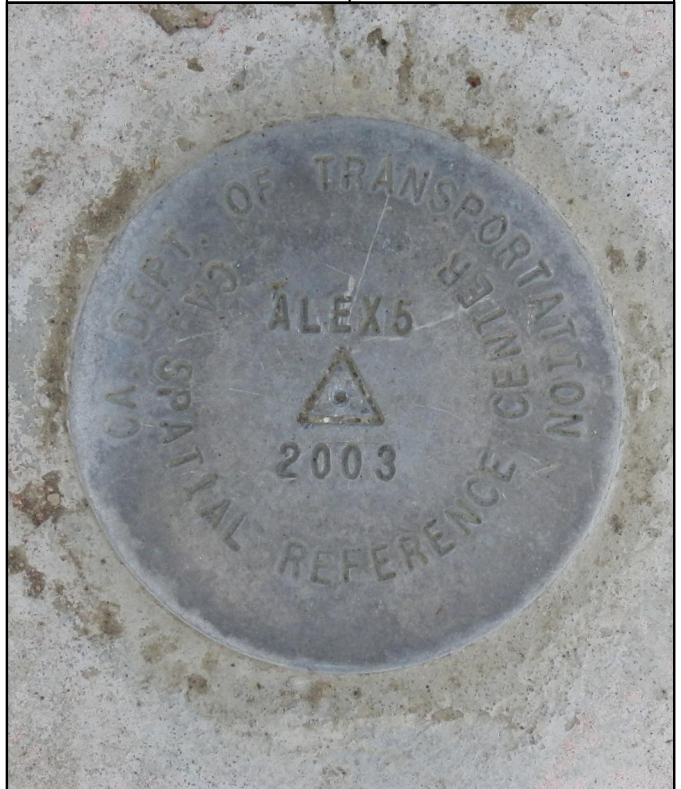
1. Head northwest on CA-33 for 0.7 mi

\*Point will be to the east of CA-33 and north  
 of a canal

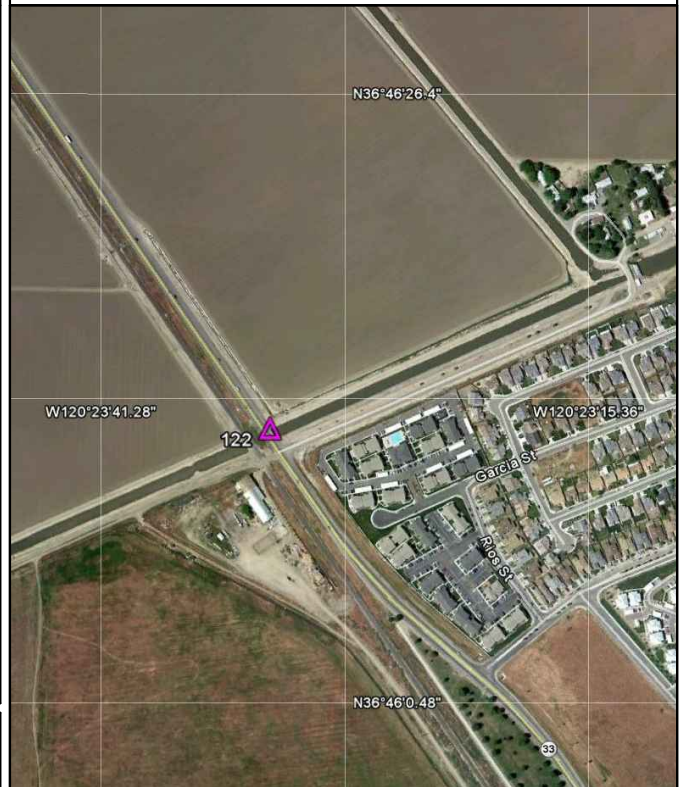
Entered By: W. Harrison  
 Checked By: G. Davis

Close Up View

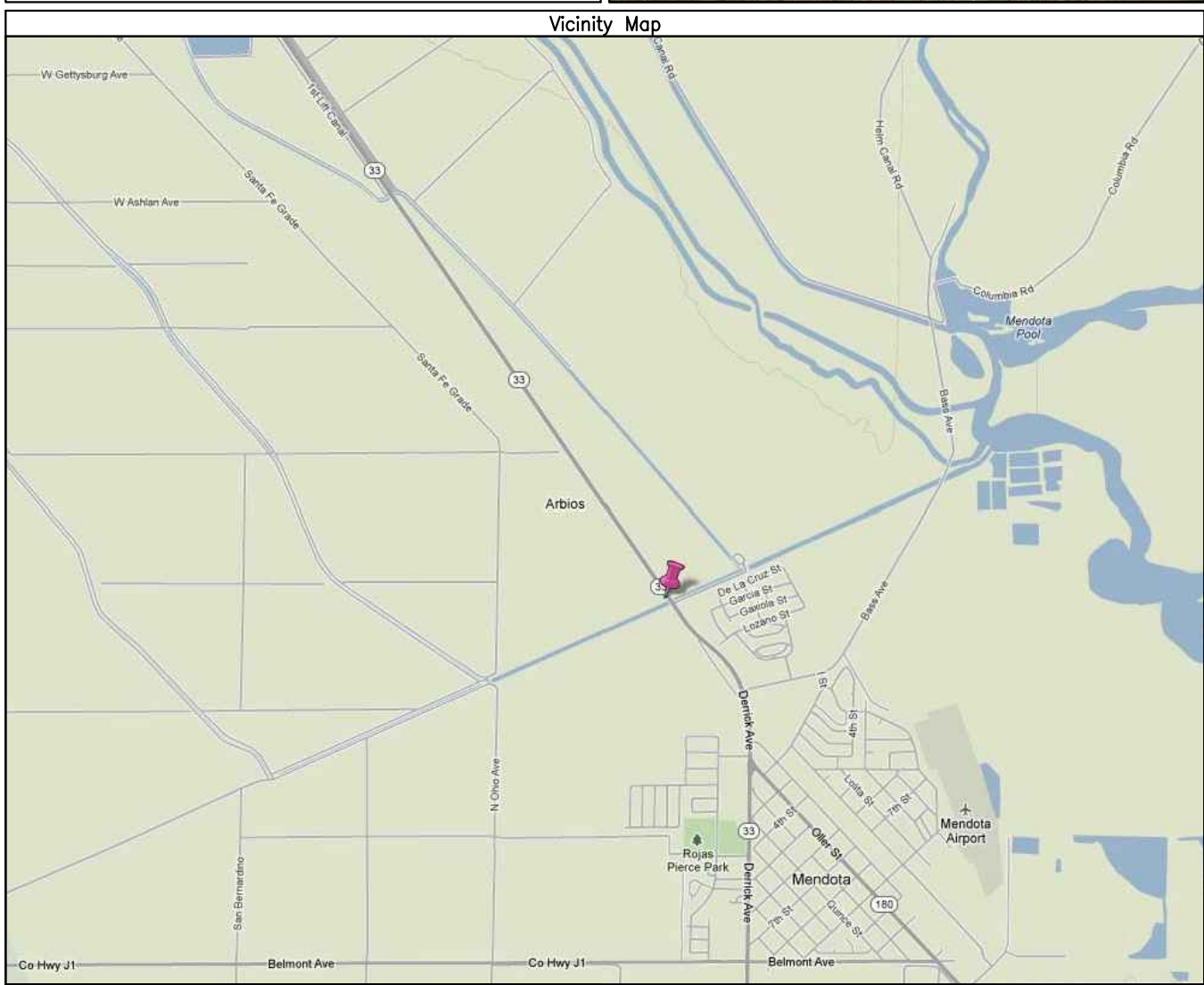
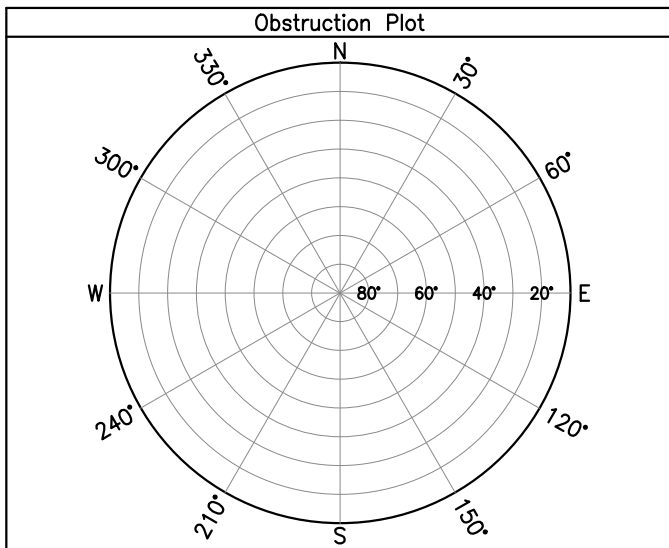
(122-Close.jpg)



Aerial View



#### SJRRP Geodetic Control Network





## SJRRP Geodetic Control Network

Date: 12/27/2011 Survey Date: 11/30/2011  
 City: Firebaugh T: 11S R: 15E  
 County: Madera S: 29  
 State: California Meridian: Mount Diablo

### Final Adjusted Coordinates

Datum: NAD83 (Stat. GPS) Epoch: 2007.00  
 Latitude (DMS): N 36° 57' 09.43735"  
 Longitude (DMS): W 120° 21' 00.08244"

Projection: State Plane Zone: California 4  
 Northing (Grid): 2232691.12 usft.  
 Easting (Grid): 6167201.64 usft.

Datum: NAVD88 (Stat. GPS) Geoid: 2003  
 Ortho Height: 162.66 usft.

### Survey Mark Description

3" USBR Brass Disk stamped "WES", set in concrete structure.

### Go To Directions

Starting at the intersection of CA-33 and 13th St in Firebaugh, CA

1. Head northeast on 13th St for 4.1 mi
2. Turn left, head north on Hemlock Rd for 6.5 mi
3. Turn right, head east on Ave 14 for 1.8 mi

\*Point will be to the north of Ave 14 at the east end of a bridge

Entered By: W. Harrison  
 Checked By: G. Davis

Close Up View

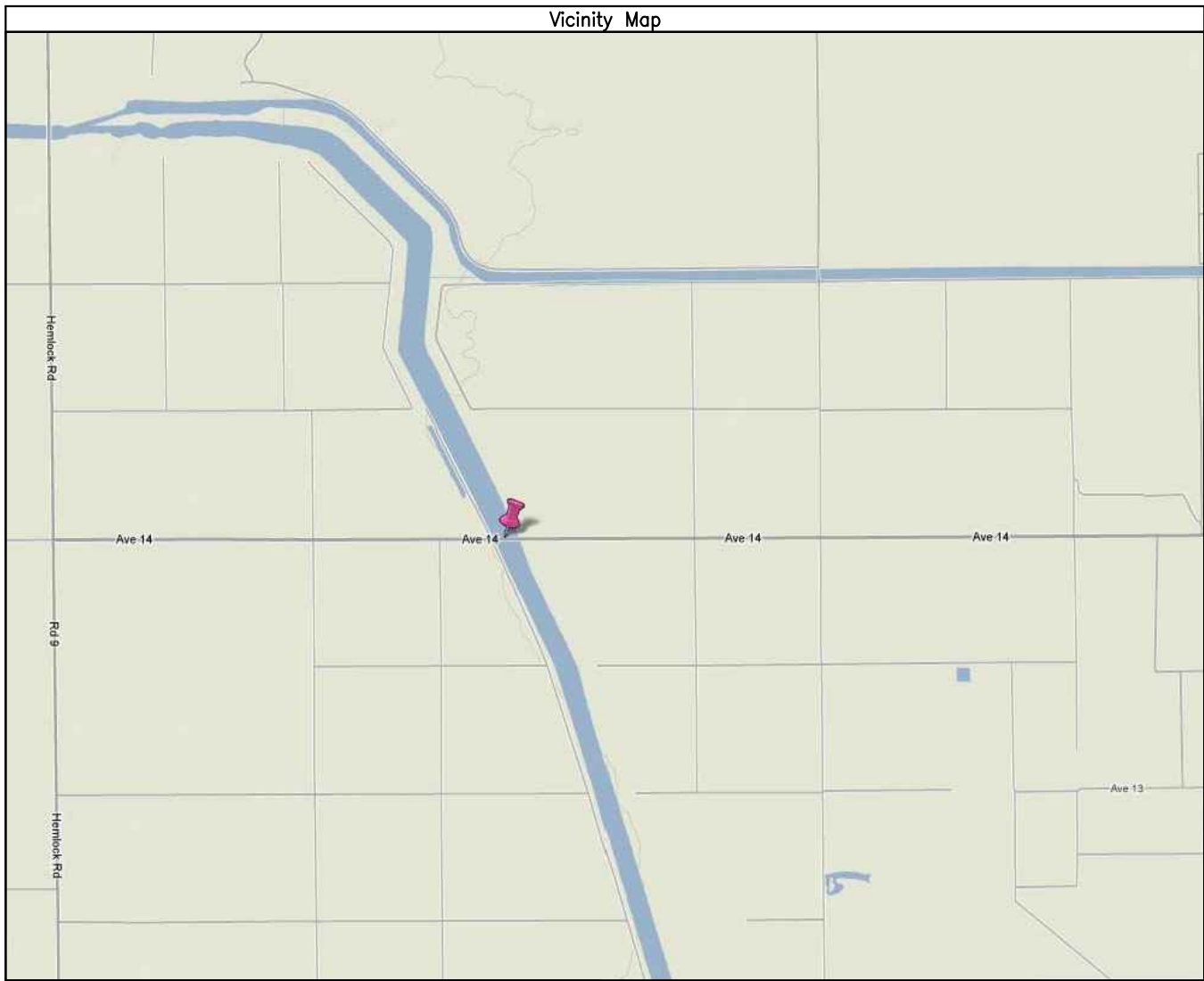
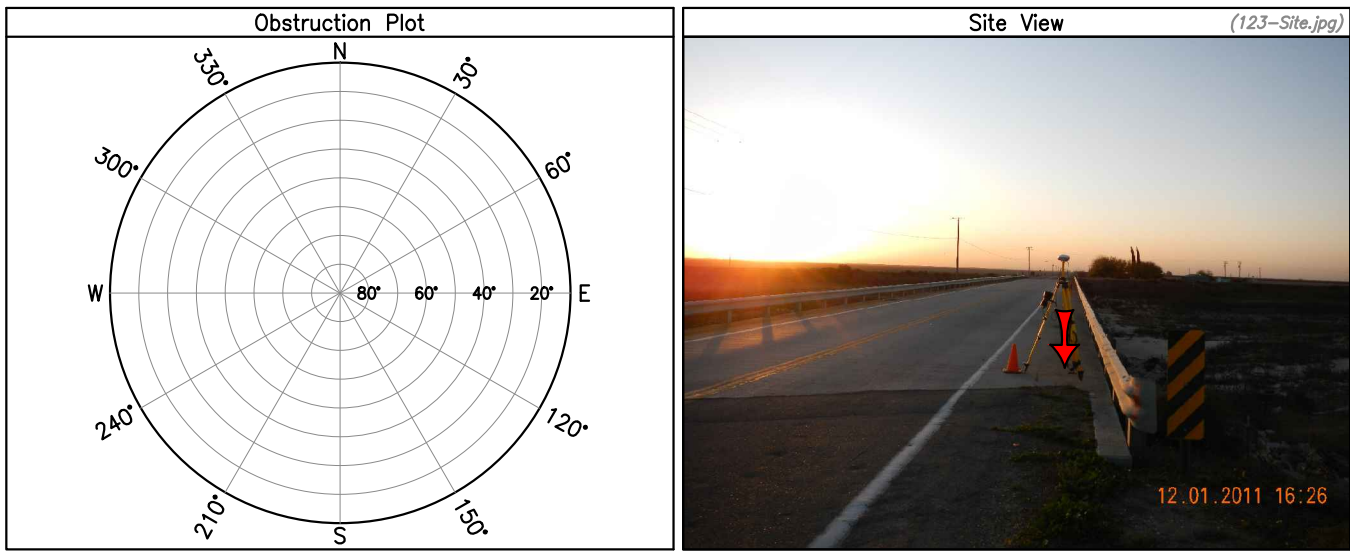
(123-Close.jpg)



Aerial View



#### SJRRP Geodetic Control Network





## SJRRP Geodetic Control Network

Date: 12/27/2011 Survey Date: 11/30/2011  
 City: El Nido T: 10S R: 14E  
 County: Madera S: 4  
 State: California Meridian: Mount Diablo

### Final Adjusted Coordinates

Datum: NAD83 (Stat. GPS) Epoch: 2007.00  
 Latitude (DMS): N 37° 05' 01.38407"  
 Longitude (DMS): W 120° 26' 57.63788"

Projection: State Plane Zone: California 4  
 Northing (Grid): 2280839.13 usft.  
 Easting (Grid): 6138903.33 usft.

Datum: NAVD88 (Stat. GPS) Geoid: 2003  
 Ortho Height: 149.56 usft.

### Survey Mark Description

3" USGS Brass Disk stamped "D158 RESET 1966", set in concrete block.

NGS PID: HS1103

### Go To Directions

Starting at the intersection of CA-59 and CA-152 south of El Nido, CA

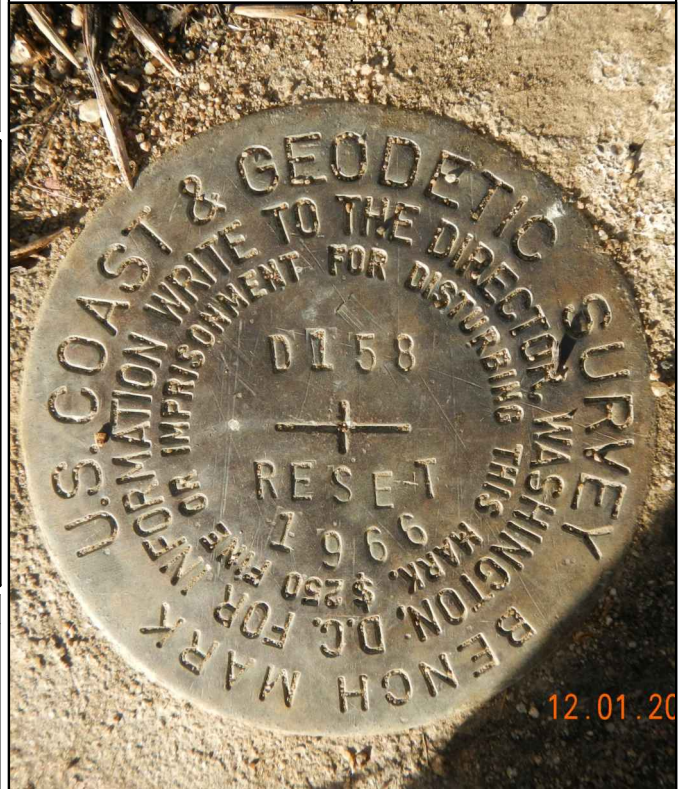
1. Head east on CA-152 for 2.4 mi

\*Point will be to the north of CA-152

Entered By: W. Harrison  
 Checked By: G. Davis

Close Up View

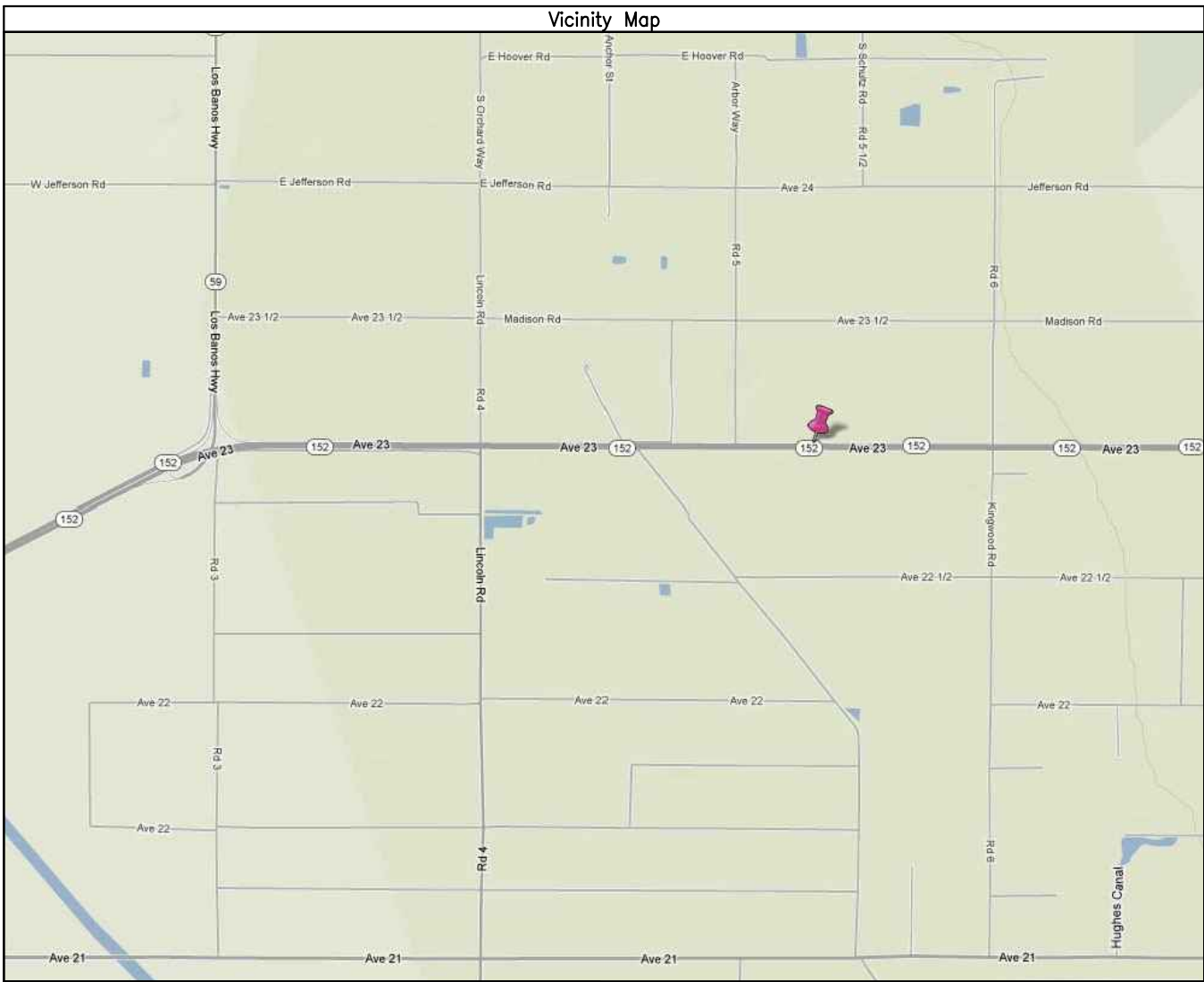
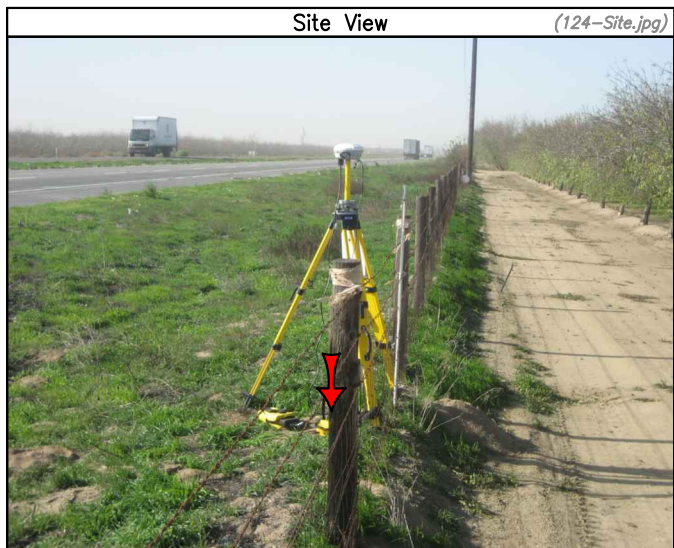
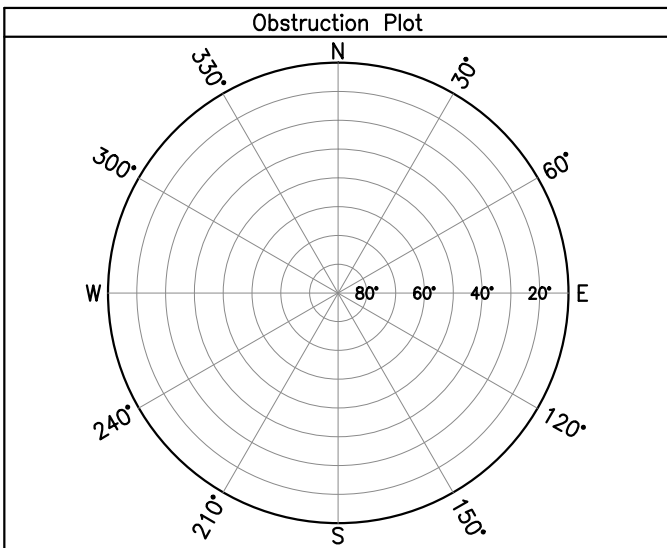
(124-Close.jpg)



Aerial View



#### SJRRP Geodetic Control Network





## SJRRP Geodetic Control Network

Date: 12/27/2011 Survey Date: 11/30/2011  
 City: Firebaugh T: 13S R: 13E  
 County: Fresno S: 1  
 State: California Meridian: Mount Diablo

### Final Adjusted Coordinates

Datum: NAD83 (Stat. GPS) Epoch: 2007.00

Latitude (DMS): N 36° 49' 20.09849"

Longitude (DMS): W 120° 30' 06.41638"

Projection: State Plane Zone: California 4

Northing (Grid): 2185890.19 usft.

Easting (Grid): 6122120.09 usft.

Datum: NAVD88 (Stat. GPS) Geoid: 2003

Ortho Height: 184.18 usft.

### Survey Mark Description

3" CADT Aluminum Disk stamped "DWIGHT,  
 2003", set in concrete pad.

NGS PID: DH6676

### Go To Directions

Starting at the intersection of CA-33 and 13th  
 St in Firebaugh, CA

1. Head southeast on CA-33 for 2.6 mi
2. Turn right, head west on W Bullard Rd for 3.6 mi

\*Point will be to the north of W Bullard Rd

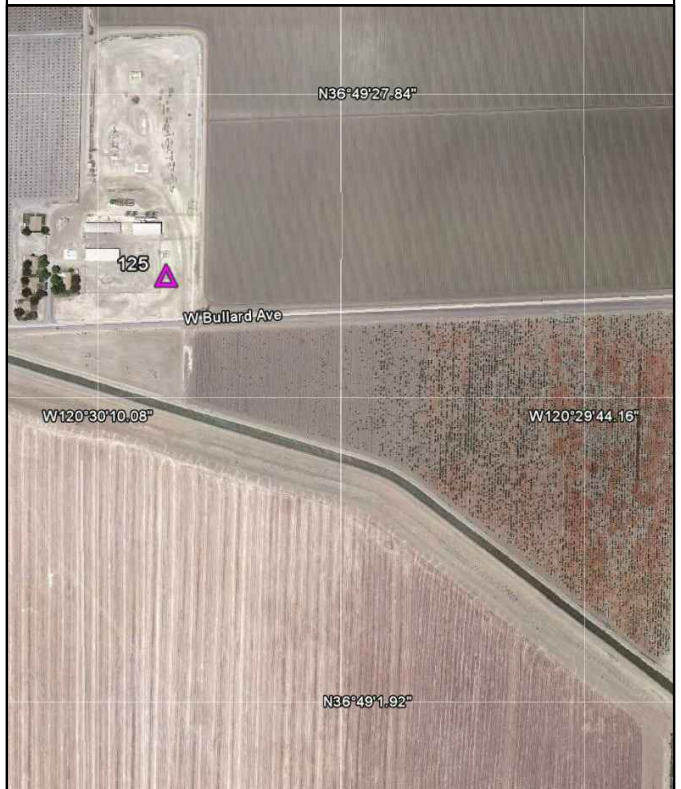
Entered By: W. Harrison  
 Checked By: G. Davis

Close Up View

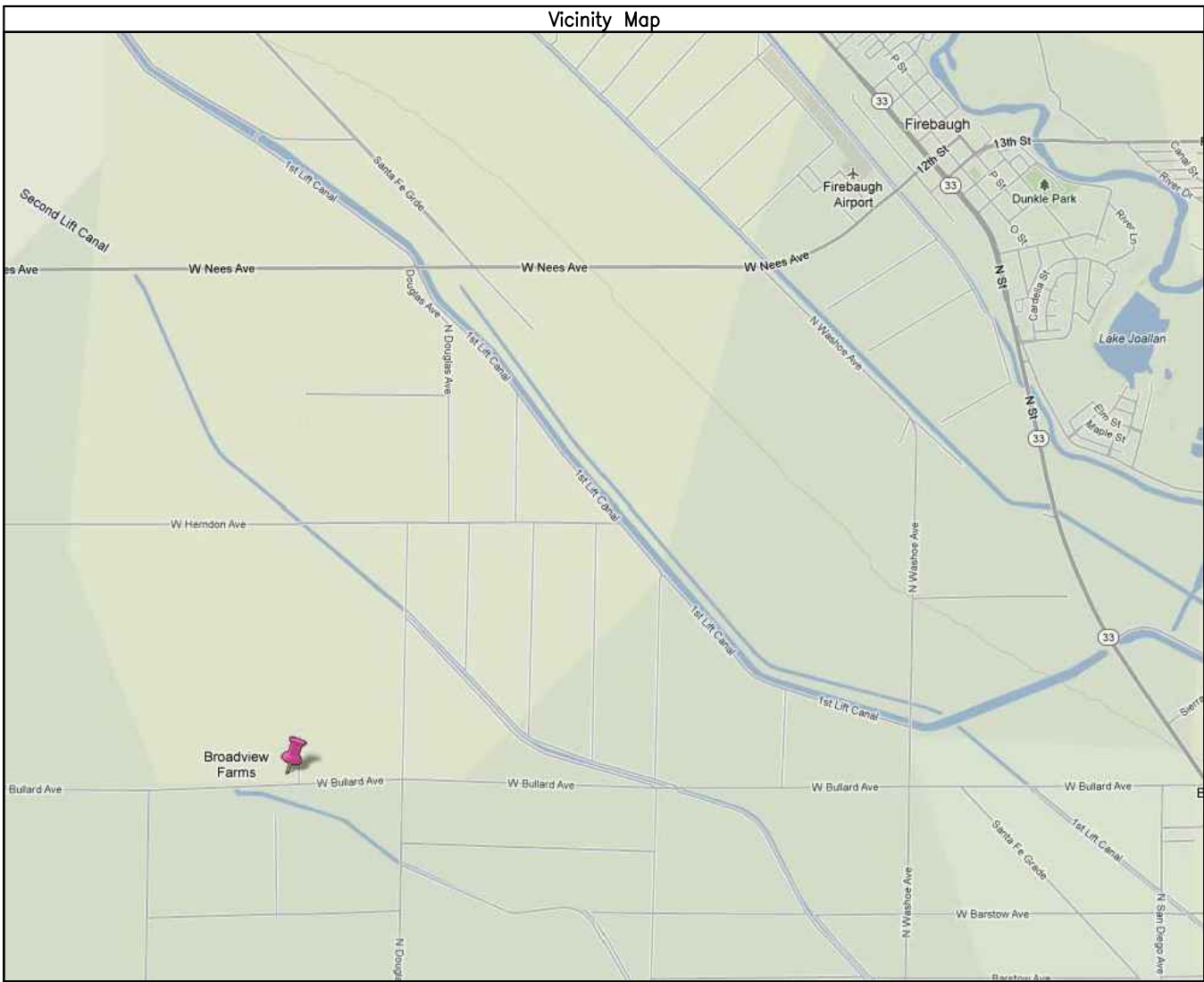
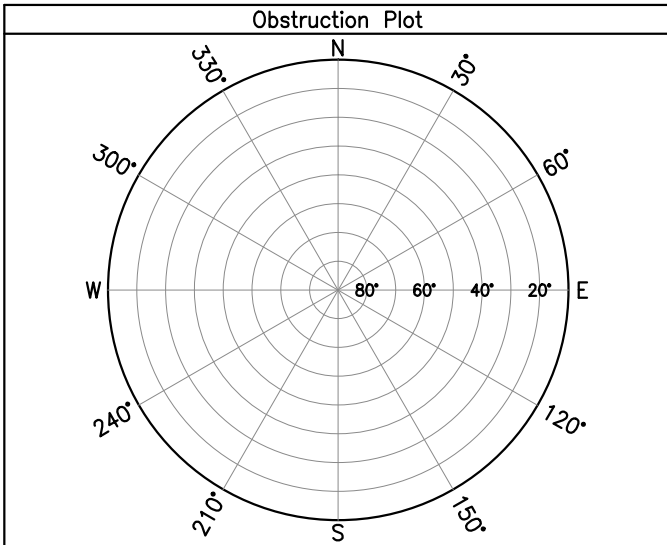
(125-Close.jpg)



Aerial View



### SJRRP Geodetic Control Network





## SJRRP Geodetic Control Network

Date: 12/27/2011 Survey Date: 11/30/2011  
 City: Merced T: 7S R: 14E  
 County: Merced S: 30  
 State: California Meridian: Mount Diablo

### Final Adjusted Coordinates

Datum: NAD83 (Stat. GPS) Epoch: 2007.00  
 Latitude (DMS): N 37° 17' 17.40204"  
 Longitude (DMS): W 120° 28' 35.80079"

Projection: State Plane Zone: California 4  
 Northing (Grid): 2355392.88 usft.  
 Easting (Grid): 6132094.72 usft.

Datum: NAVD88 (Stat. GPS) Geoid: 2003  
 Ortho Height: 167.38 usft.

### Survey Mark Description

Steel Rod in well. Well casing stamped "E1420, 1988".

NGS PID: HS4523

### Go To Directions

Starting at the intersection of CA-99 and E Childs Ave in Merced, CA

1. Head west on E Childs Ave for 1.1 mi

\*Point will be to the north of E Childs Ave and west of D St

Entered By: W. Harrison  
 Checked By: G. Davis

Close Up View

(126-Close.jpg)

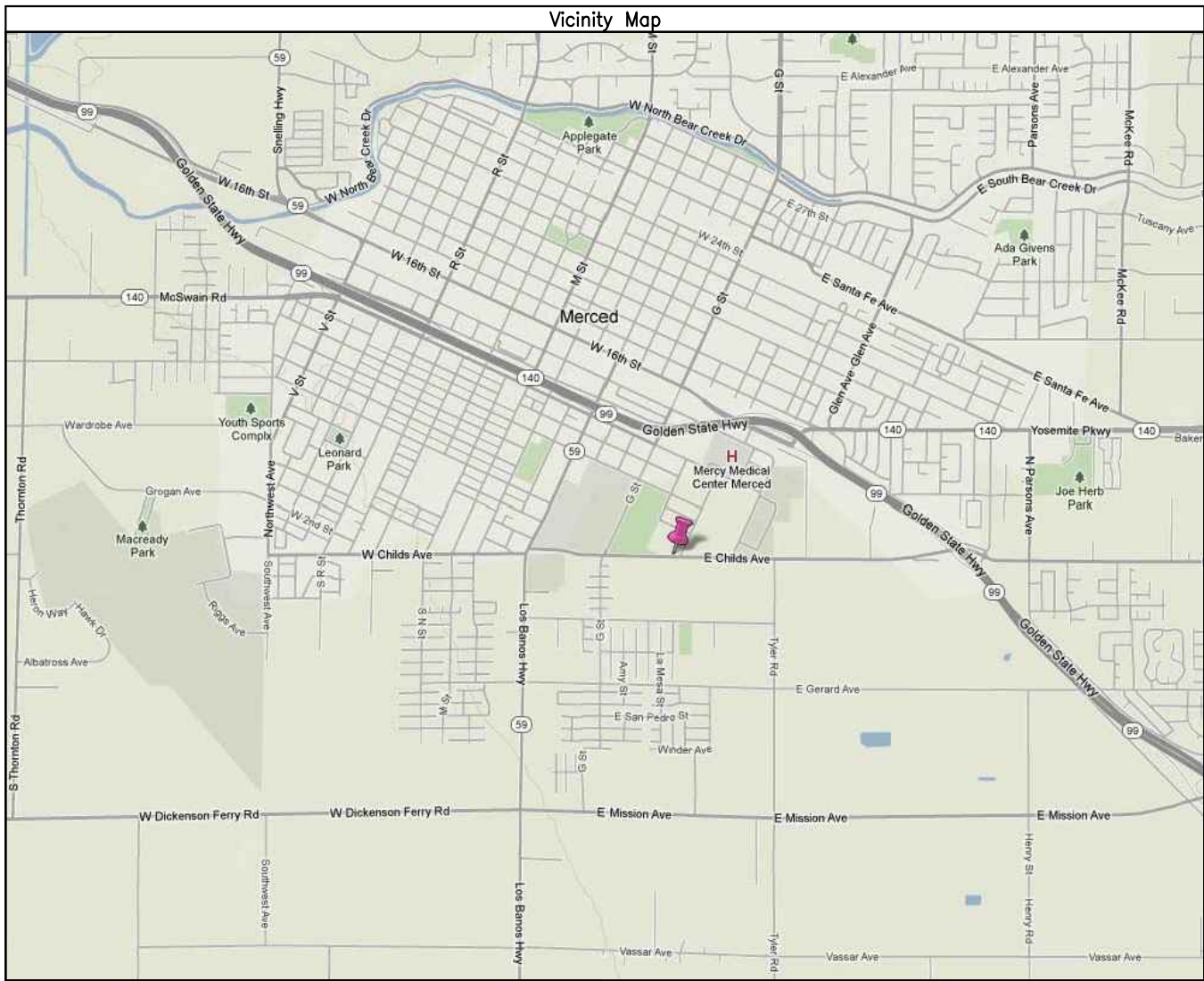
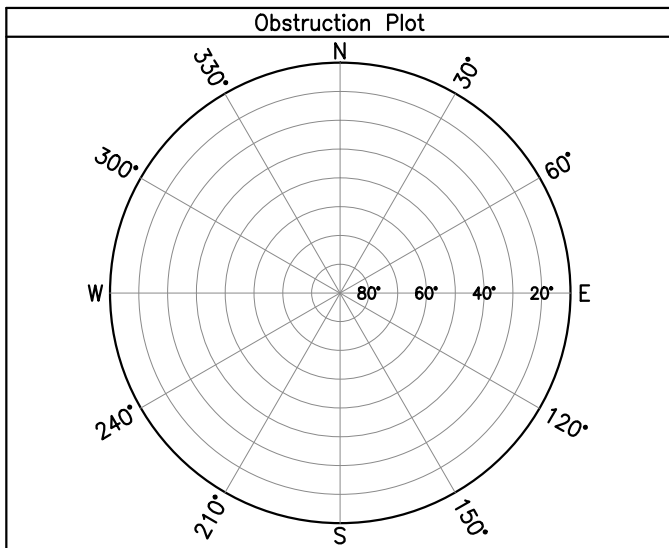


Aerial View





## SJRRP Geodetic Control Network





## SJRRP Geodetic Control Network

Date: 12/27/2011 Survey Date: 11/30/2011  
 City: Firebaugh T: 12S R: 16E  
 County: Madera S: 32  
 State: California Meridian: Mount Diablo

### Final Adjusted Coordinates

Datum: NAD83 (Stat. GPS) Epoch: 2007.00  
 Latitude (DMS): N 36° 51' 03.59620"  
 Longitude (DMS): W 120° 14' 12.88984"

Projection: State Plane Zone: California 4  
 Northing (Grid): 2195250.76 usft.  
 Easting (Grid): 6199772.72 usft.

Datum: NAVD88 (Stat. GPS) Geoid: 2003  
 Ortho Height: 182.87 usft.

### Survey Mark Description

2" CADWR Brass Disk stamped "USHER, 2008",  
 set in concrete structure.

### Go To Directions

Starting at the intersection of CA-33 and 13th St in Firebaugh, CA

1. Head northeast on 13th St for 6.3 mi
2. Turn right, head south east on Ripperdan Rd for 6.0 mi

\*Point will be to the north of Ripperdan Rd

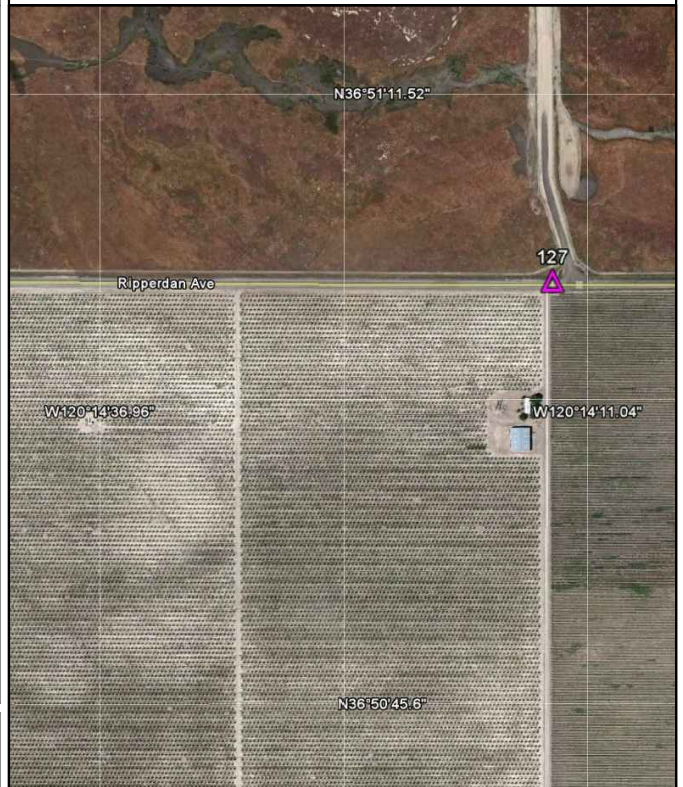
Entered By: W. Harrison  
 Checked By: G. Davis

Close Up View

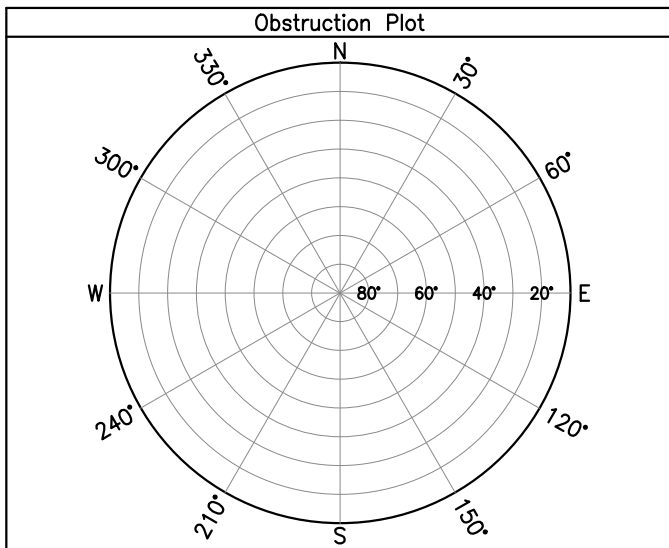
(127-Close.jpg)



Aerial View



### SJRRP Geodetic Control Network





**SJRRP Geodetic Control Network**

Date: 12/27/2011 Survey Date: 11/30/2011  
City: Chaney Ranch T: 15S R: 12E  
County: Fresno S: 16  
State: California Meridian: Mount Diablo

Final Adjusted Coordinates

Datum: NAD83 (Stat. GPS) Epoch: 2007.00

Latitude (DMS): N 36° 37' 26.48484"

Longitude (DMS): W 120° 39' 32.48835"

Projection: State Plane Zone: California 4

Northing (Grid): 2114491.87 usft.

Easting (Grid): 6074855.71 usft.

Datum: NAVD88 (Stat. GPS) Geoid: 2003

Ortho Height: 619.26 usft.

Survey Mark Description

3" USGS Brass Disk stamped "F 928, 1957",  
set in concrete block.

NGS PID: GU0588

Go To Directions

Starting at the intersection of I-5 and W Panoche Rd southwest of Chaney Ranch, CA

1. Head southwest on W Panoche Rd for 1.1 mi
2. Turn left, head south on Panoche Rd for 1.5 mi

\*Point will be to the south of Panoche Rd

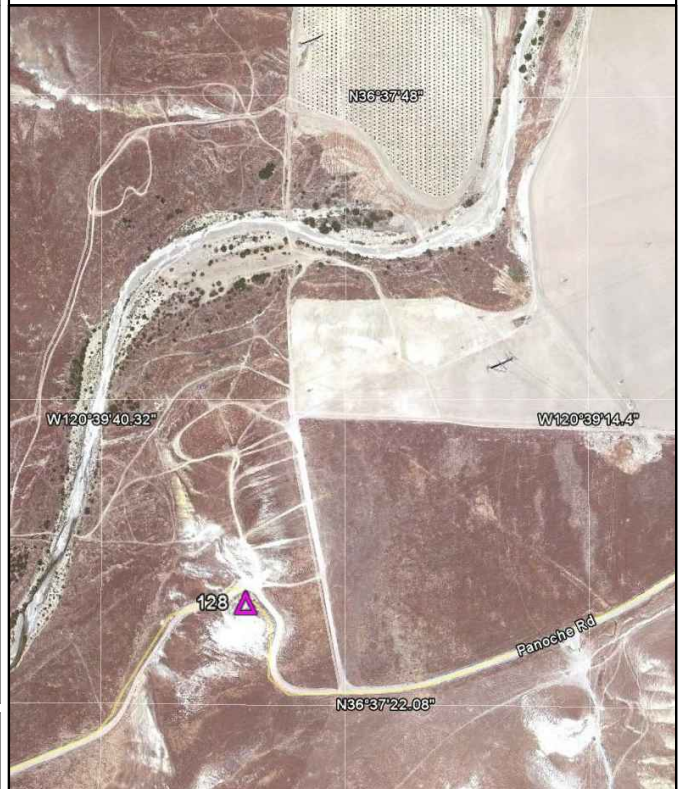
Entered By: W. Harrison  
Checked By: G. Davis

Close Up View

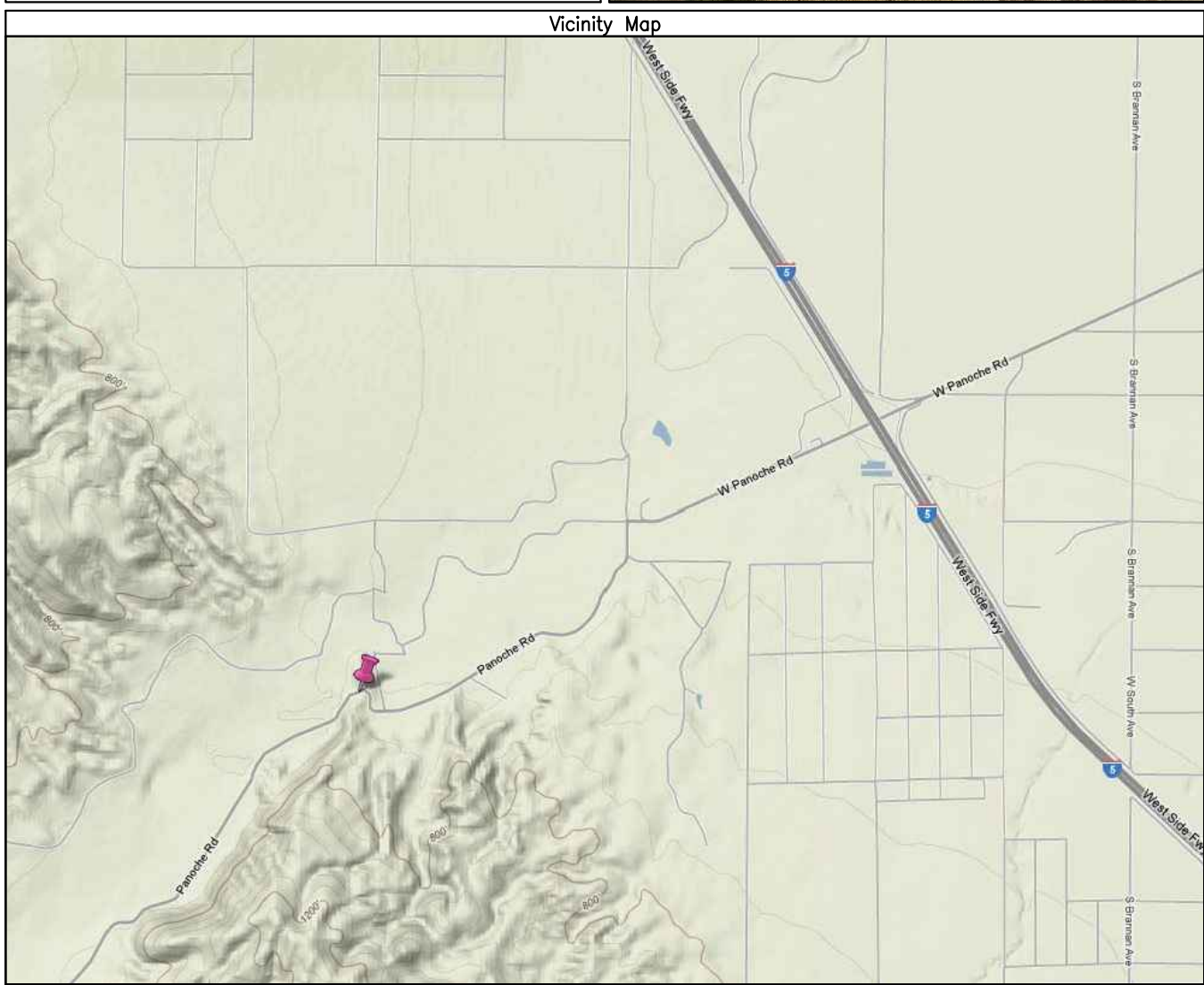
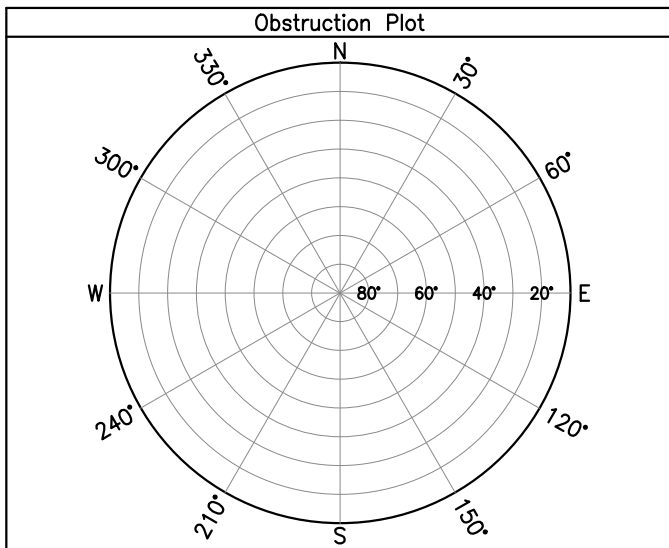
(128-Close.jpg)



Aerial View



### SJRRP Geodetic Control Network





## SJRRP Geodetic Control Network

Date: 12/27/2011 Survey Date: 11/30/2011  
 City: Firebaugh T: 12S R: 14E  
 County: Fresno S: 29  
 State: California Meridian: Mount Diablo

Close Up View (129-Close.jpg)

### Final Adjusted Coordinates

Datum: NAD83 (Stat. GPS) Epoch: 2007.00

Latitude (DMS): N 36° 51' 26.29737"

Longitude (DMS): W 120° 27' 46.19026"

Projection: State Plane Zone: California 4

Northing (Grid): 2198475.32 usft.

Easting (Grid): 6133714.10 usft.

Datum: NAVD88 (Stat. GPS) Geoid: 2003

Ortho Height: 146.36 usft.



### Survey Mark Description

3" NGS Brass Disk stamped "FIREPORT, 1987", set in concrete block.

NGS PID: GU4281

### Go To Directions

Starting at the intersection of CA-33 and 13th St in Firebaugh, CA

1. Head northwest on CA-33 for 500 ft
2. Turn left, head southwest on W Nees Ave for 0.3 mi
3. Turn right, head northwest on J St for 0.2 mi

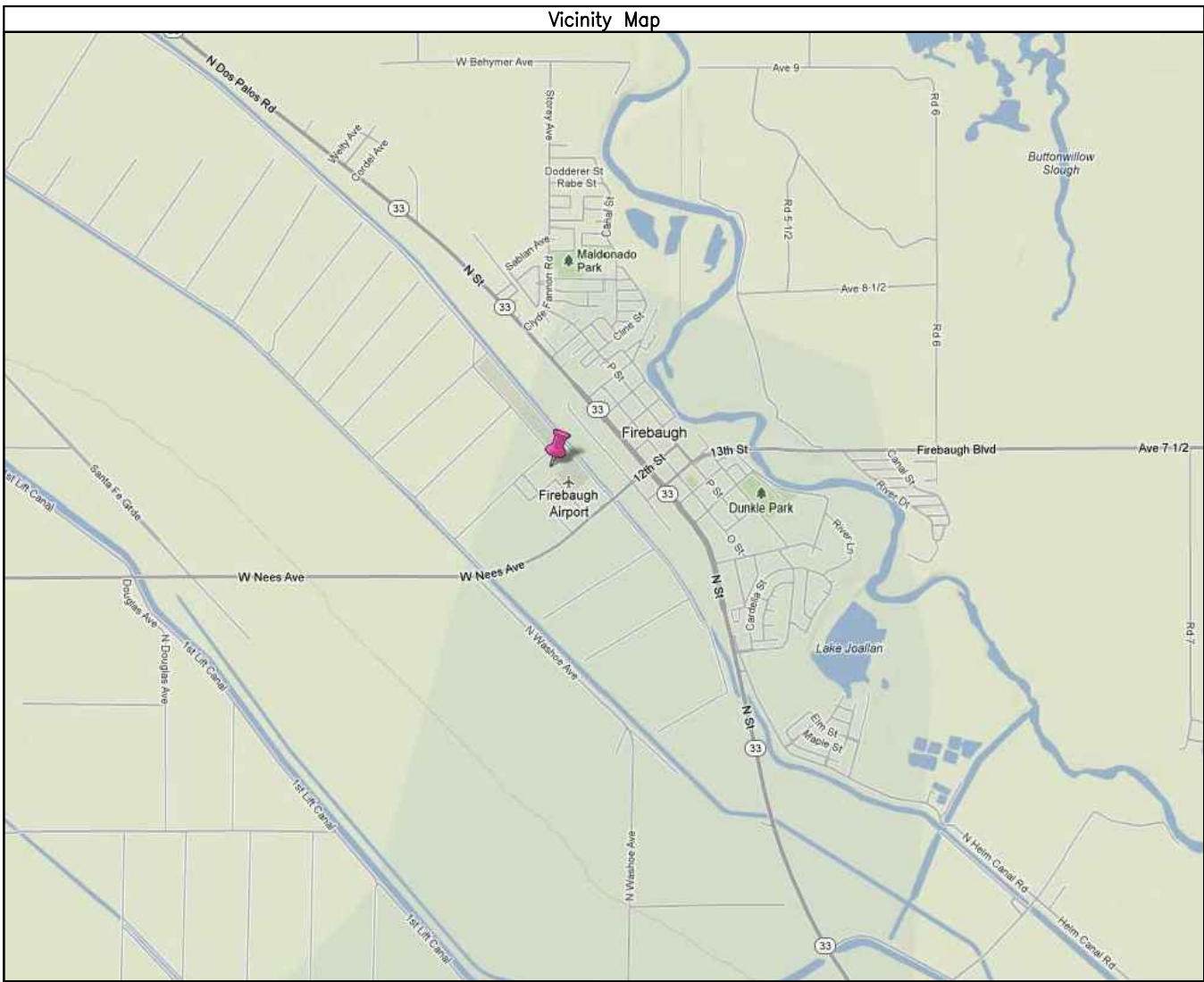
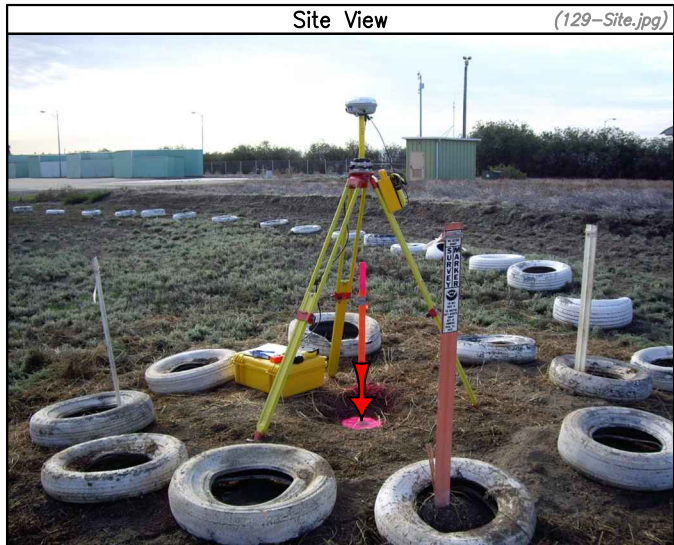
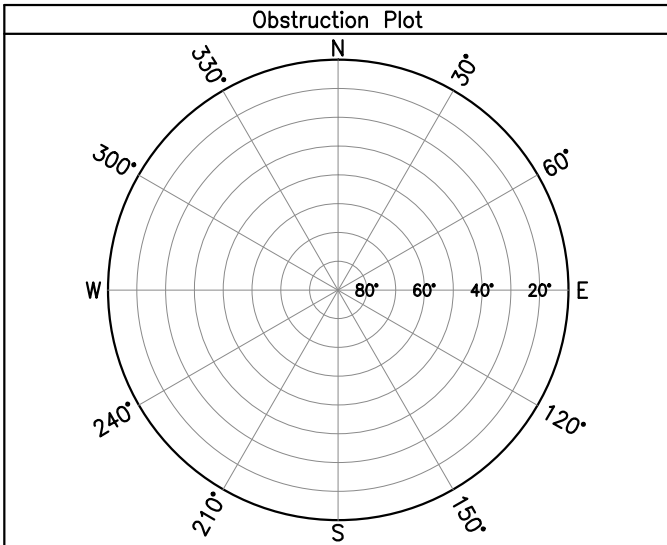
\*Point will be to the northeast of J St

### Aerial View



Entered By: W. Harrison  
 Checked By: G. Davis

### SJRRP Geodetic Control Network





## SJRRP Geodetic Control Network

Date: 12/27/2011 Survey Date: 11/30/2011  
 City: *Stevinson* T: 7S R: 9E  
 County: *Merced* S: 24  
 State: *California* Meridian: *Mount Diablo*

### Final Adjusted Coordinates

Datum: *NAD83 (Stat. GPS)* Epoch: *2007.00*  
 Latitude (DMS): *N 37° 18' 38.33195"*  
 Longitude (DMS): *W 120° 55' 40.41570"*

Projection: *State Plane* Zone: *California 4*  
 Northing (Grid): *2365903.81 usft.*  
 Easting (Grid): *6000988.83 usft.*

Datum: *NAVD88 (Stat. GPS)* Geoid: *2003*  
 Ortho Height: *73.31 usft.*

### Survey Mark Description

*3" USGS Aluminum Disk stamped "FREMONT, 1943", set in concrete block.*

*NGS PID: HS1919*

### Go To Directions

*Starting at the intersection of CA-140 and CA-165 south of Stevenson, CA*

*1. Head west on CA-140 for 4.2 mi*

*\*Point will be to the south of CA-140 behind a fence*

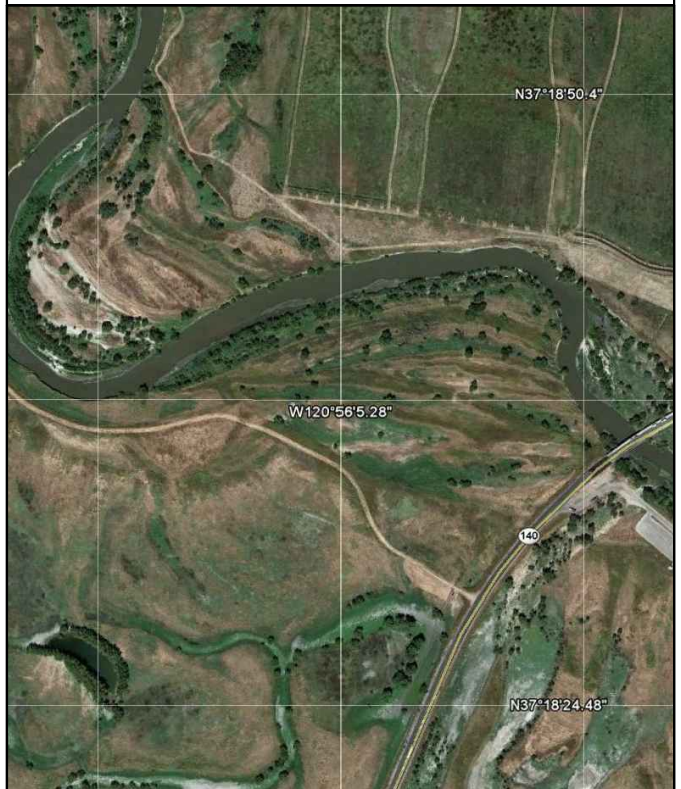
Entered By: *W. Harrison*  
 Checked By: *G. Davis*

Close Up View

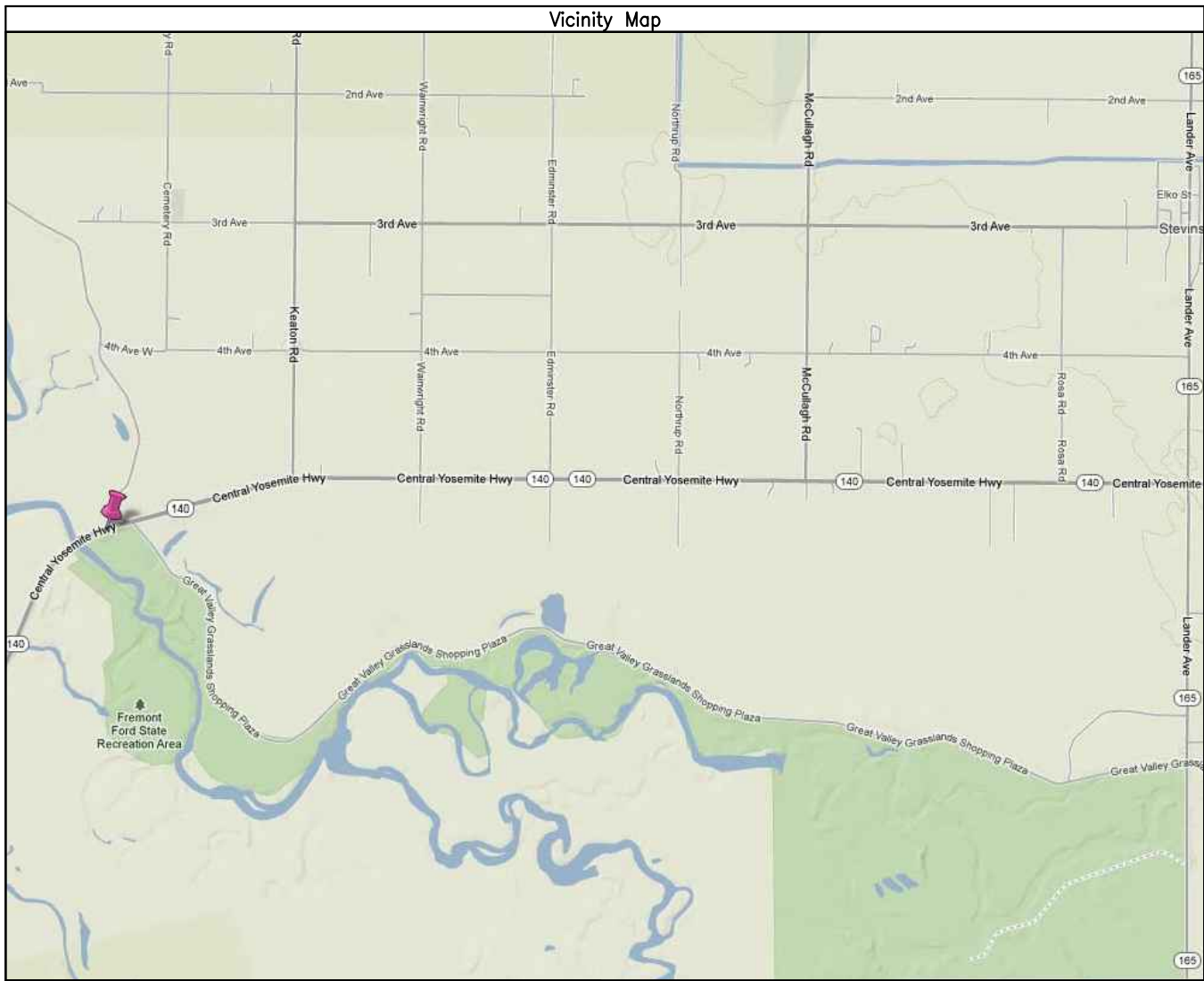
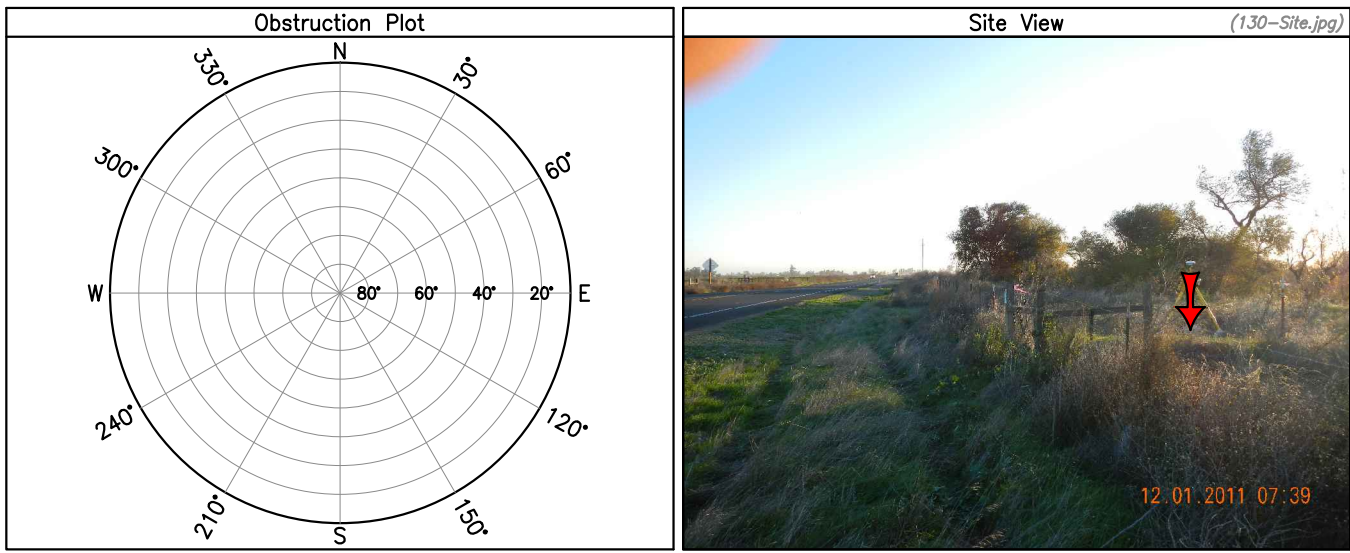
(130-Close.jpg)



Aerial View



### SJRRP Geodetic Control Network





## SJRRP Geodetic Control Network

Date: 12/27/2011 Survey Date: 11/30/2011  
 City: Merced T: 8S R: 16E  
 County: Merced S: 19  
 State: California Meridian: Mount Diablo

### Final Adjusted Coordinates

Datum: NAD83 (Stat. GPS) Epoch: 2007.00  
 Latitude (DMS): N 37° 13' 41.95569"  
 Longitude (DMS): W 120° 16' 13.94907"

Projection: State Plane Zone: California 4  
 Northing (Grid): 2332746.43 usft.  
 Easting (Grid): 6191751.99 usft.

Datum: NAVD88 (Stat. GPS) Geoid: 2003  
 Ortho Height: 243.12 usft.

### Survey Mark Description

3" Brass Disk stamped "G 706 RESET, 1962",  
 set in concrete block.

NGS PID: HS1204

### Go To Directions

Starting at the intersection of CA-99 and E Childs Ave in Merced, CA

1. Head south east on CA-99 for 5.8 mi
2. Turn left, head east on E La Grand Rd for 6.3 mi

\*Point will be to the south of E La Grand Rd  
 and east of S Minyurn Rd

Entered By: W. Harrison  
 Checked By: G. Davis

Close Up View

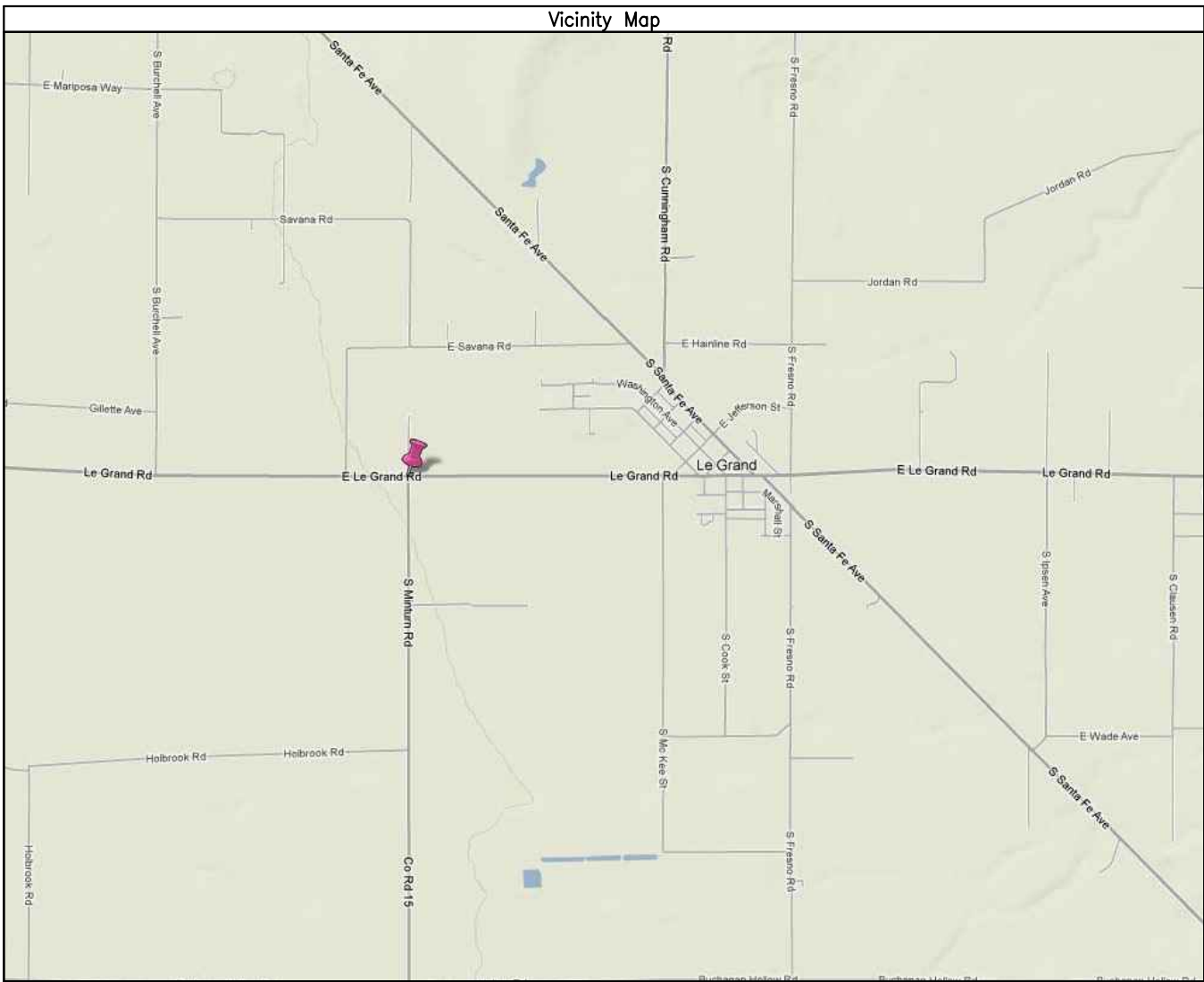
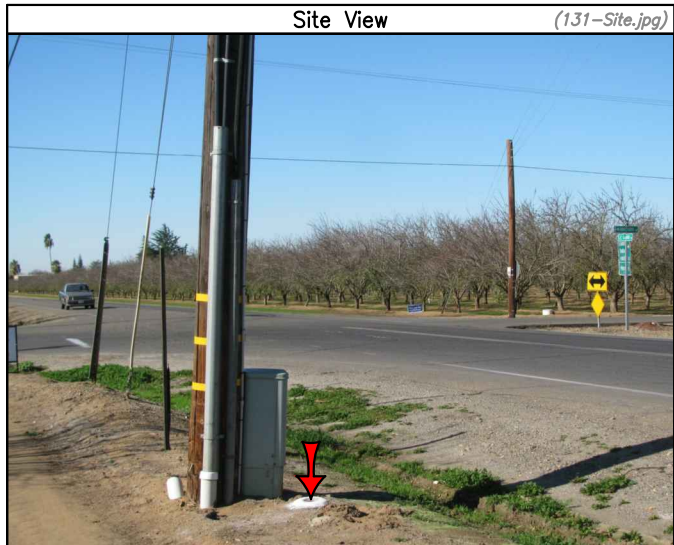
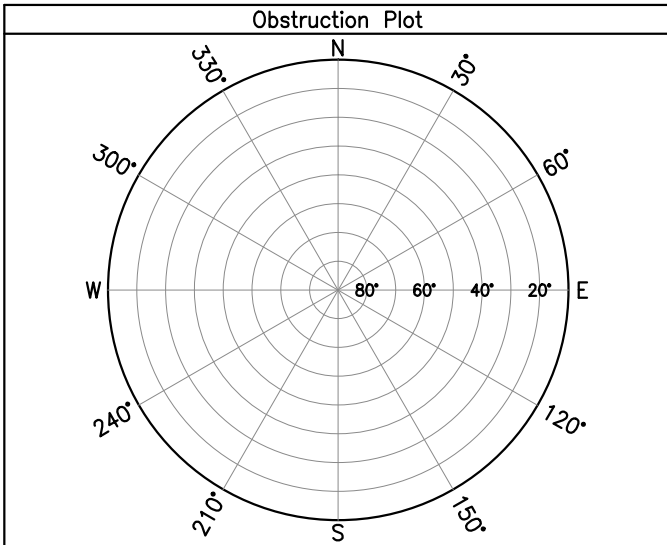
(131-Close.jpg)



Aerial View



#### SJRRP Geodetic Control Network





## SJRRP Geodetic Control Network

Date: 12/27/2011 Survey Date: 11/30/2011  
 City: Los Banos T: 11S R: 13E  
 County: Fresno S: 12  
 State: California Meridian: Mount Diablo

### Final Adjusted Coordinates

Datum: NAD83 (Stat. GPS) Epoch: 2007.00

Latitude (DMS): N 36° 59' 46.14688"

Longitude (DMS): W 120° 30' 10.56218"

Projection: State Plane Zone: California 4

Northing (Grid): 2249201.47 usft.

Easting (Grid): 6122773.83 usft.

Datum: NAVD88 (Stat. GPS) Geoid: 2003

Ortho Height: 127.14 usft.

### Survey Mark Description

3" USGS Brass Disk stamped "G 990, 1965", set in concrete structure.

NGS PID: GU0763

### Go To Directions

Starting at the CA-33 / CA-152 split east of Los Banos, CA

1. Head south on CA-33 for 4.7 mi
2. turn left, head east on Valeria St for 7.4 mi
3. Turn left, head north on canal levee for 1.0 mi

\*\*Pass through gate using 2001 key

\*Point will be to the south of the canal levee and north of a canal

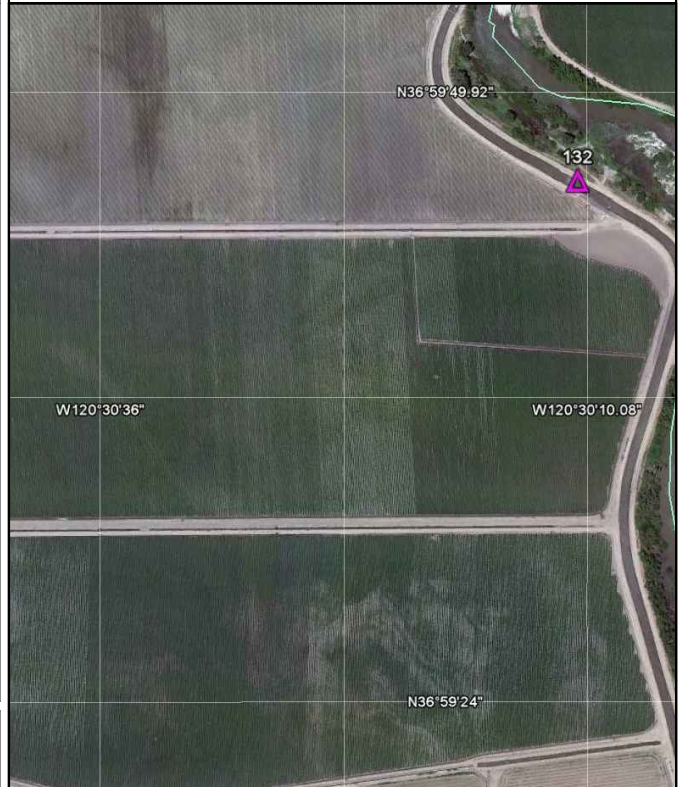
Entered By: W. Harrison  
 Checked By: G. Davis

Close Up View

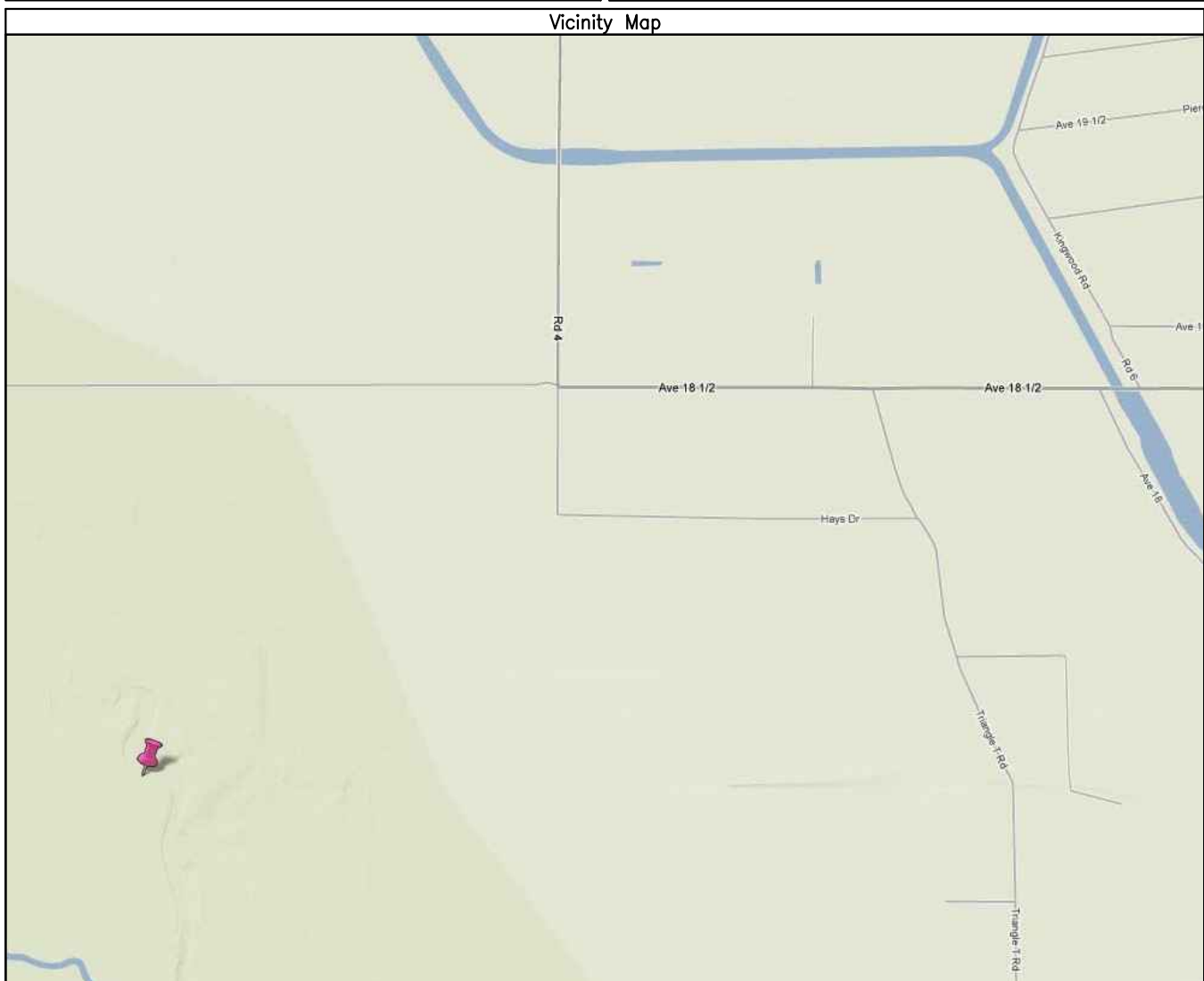
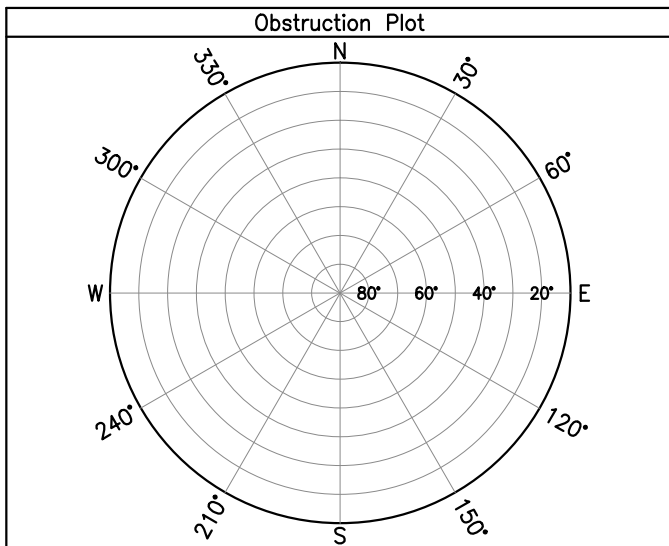
(132-Close.jpg)



Aerial View



### SJRRP Geodetic Control Network





## SJRRP Geodetic Control Network

Date: 12/27/2011 Survey Date: 11/30/2011  
 City: El Nido Rancho: Sanjon de Santa Rita  
 County: Merced  
 State: California Meridian: Mount Diablo

### Final Adjusted Coordinates

Datum: NAD83 (Stat. GPS) Epoch: 2007.00  
 Latitude (DMS): N 37° 03' 42.71315"  
 Longitude (DMS): W 120° 32' 36.36591"

Projection: State Plane Zone: California 4  
 Northing (Grid): 2273311.25 usft.  
 Easting (Grid): 6111332.04 usft.

Datum: NAVD88 (Stat. GPS) Geoid: 2003  
 Ortho Height: 122.28 usft.

### Survey Mark Description

3" NGS Brass Disk stamped "H1235 RESET, 1991", set in concrete structure.

NGS PID: AB5019

### Go To Directions

Starting at the intersection of CA-59 and CA-152 south of El Nido, CA

1. Head southwest on CA-152 for 3.1 mi

\*Point will be to the south in the northwest corner of the east bound bridge

Entered By: W. Harrison  
 Checked By: G. Davis

Close Up View

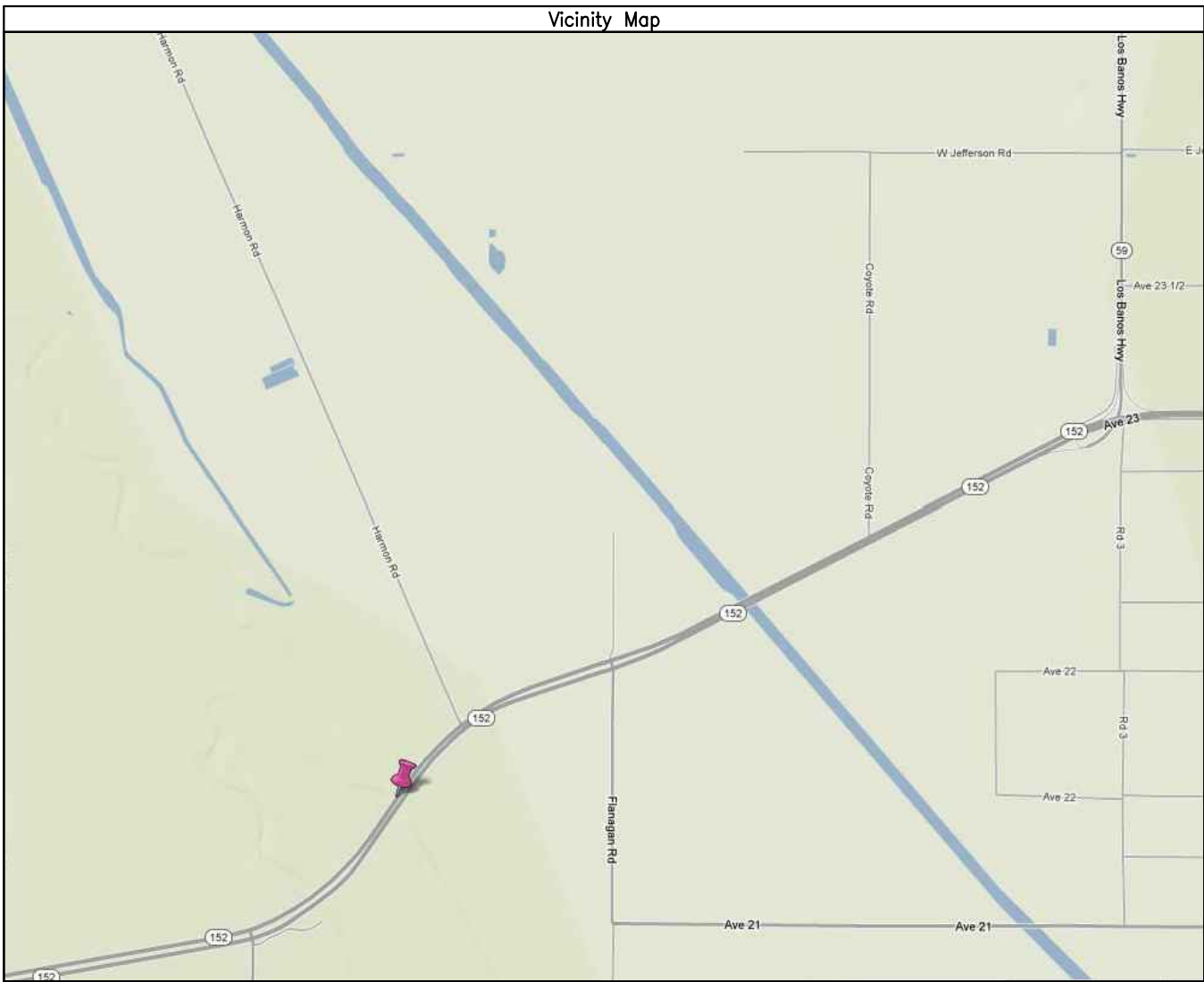
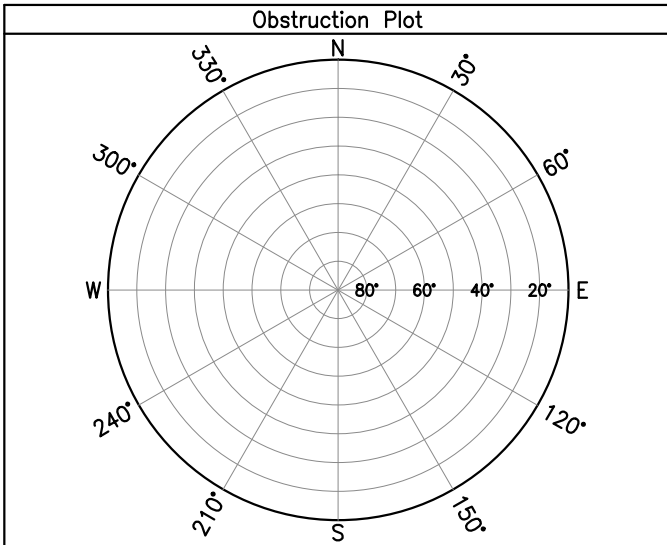
(133-Close.jpg)



Aerial View



#### SJRRP Geodetic Control Network





**SJRRP Geodetic Control Network**

Date: 12/27/2011 Survey Date: 11/30/2011  
 City: Rolling Hills T: 12S R: 20E  
 County: Fresno S: 21  
 State: California Meridian: Mount Diablo

Final Adjusted Coordinates

Datum: NAD83 (Stat. GPS) Epoch: 2007.00

Latitude (DMS): N 36° 52' 30.06695"

Longitude (DMS): W 119° 47' 31.26816"

Projection: State Plane Zone: California 4

Northing (Grid): 2202620.39 usft.

Easting (Grid): 6330007.58 usft.

Datum: NAVD88 (Stat. GPS) Geoid: 2003

Ortho Height: 290.00 usft.

Survey Mark Description

3" USGS Brass Disk stamped "H1 1941", set in concrete structure.

NGS PID: DG9695

Go To Directions

Starting at the intersection of CA-41 and Ave 12 north of Rolling Hills, CA

1. Head south on CA-41 for 1.8 mi
2. Turn right, head southwest on Exit 138 for 0.4 mi
3. Turn left, head northeast on California 41 Business for 0.4 mi
4. Turn right, head south on unnamed road for 1.6 mi

\*Point will be to the west at the south end of a bridge

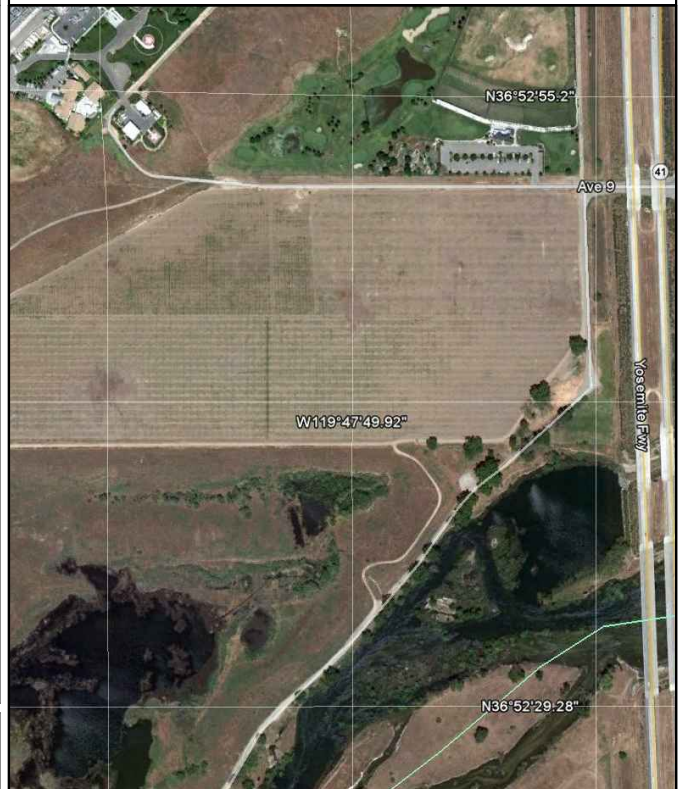
Entered By: W. Harrison  
 Checked By: G. Davis

Close Up View

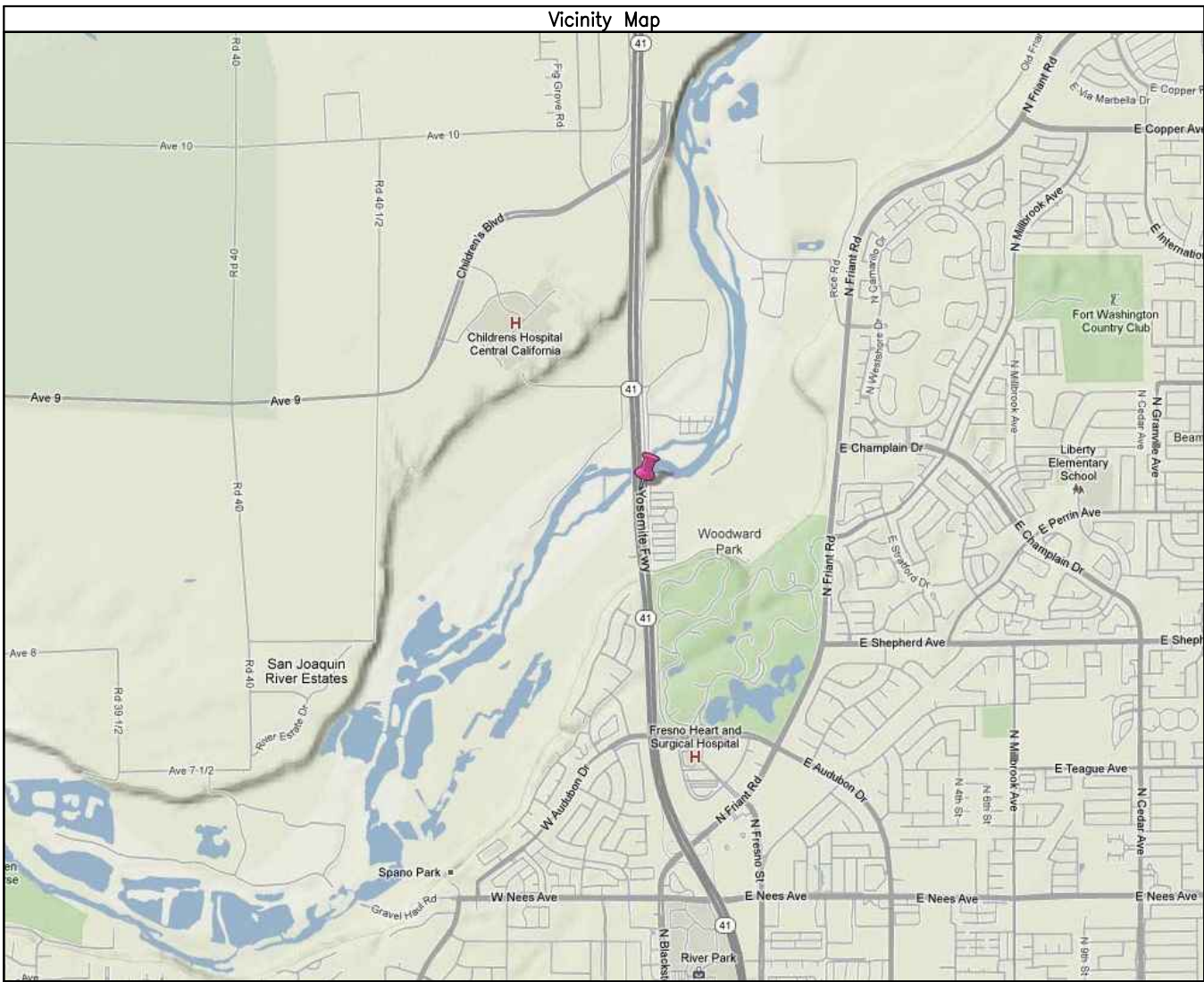
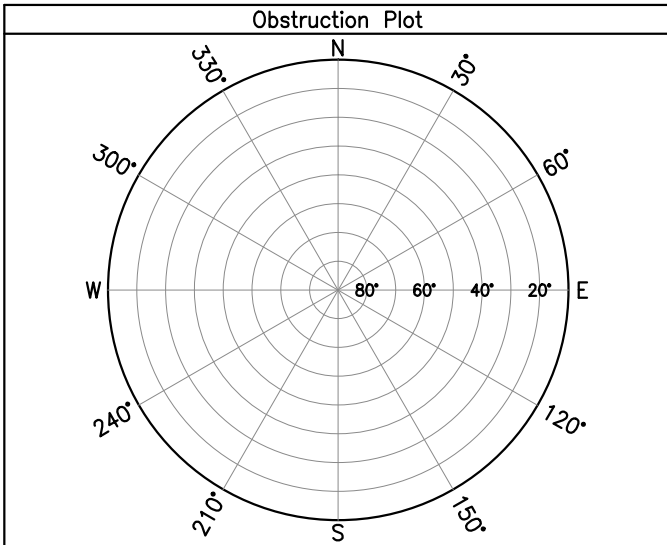
(134-Close.jpg)



Aerial View



**SJRRP Geodetic Control Network**





## SJRRP Geodetic Control Network

Date: 12/27/2011 Survey Date: 11/30/2011  
 City: Chowchilla T: 10S R: 16E  
 County: Madera S: 4  
 State: California Meridian: Mount Diablo

### Final Adjusted Coordinates

Datum: NAD83 (Stat. GPS) Epoch: 2007.00  
 Latitude (DMS): N 37° 05' 04.11476"  
 Longitude (DMS): W 120° 13' 39.14228"

Projection: State Plane Zone: California 4  
 Northing (Grid): 2280213.61 usft.  
 Easting (Grid): 6203601.77 usft.

Datum: NAVD88 (Stat. GPS) Geoid: 2003  
 Ortho Height: 236.72 usft.

### Survey Mark Description

2.5" CADT Aluminum Disk stamped  
 "HPGN-CALIF., STA.06-03, 1991", set on rod  
 in well.

NGS PID: HS5409

### Go To Directions

Starting at the intersection of CA-152 and  
 Robertson Blvd southwest of Chowchilla, CA

1. Head east on CA-152 for 3.9 mi

\*Point will be to the north of CA-152 and  
 south of fence

Entered By: W. Harrison  
 Checked By: G. Davis

Close Up View

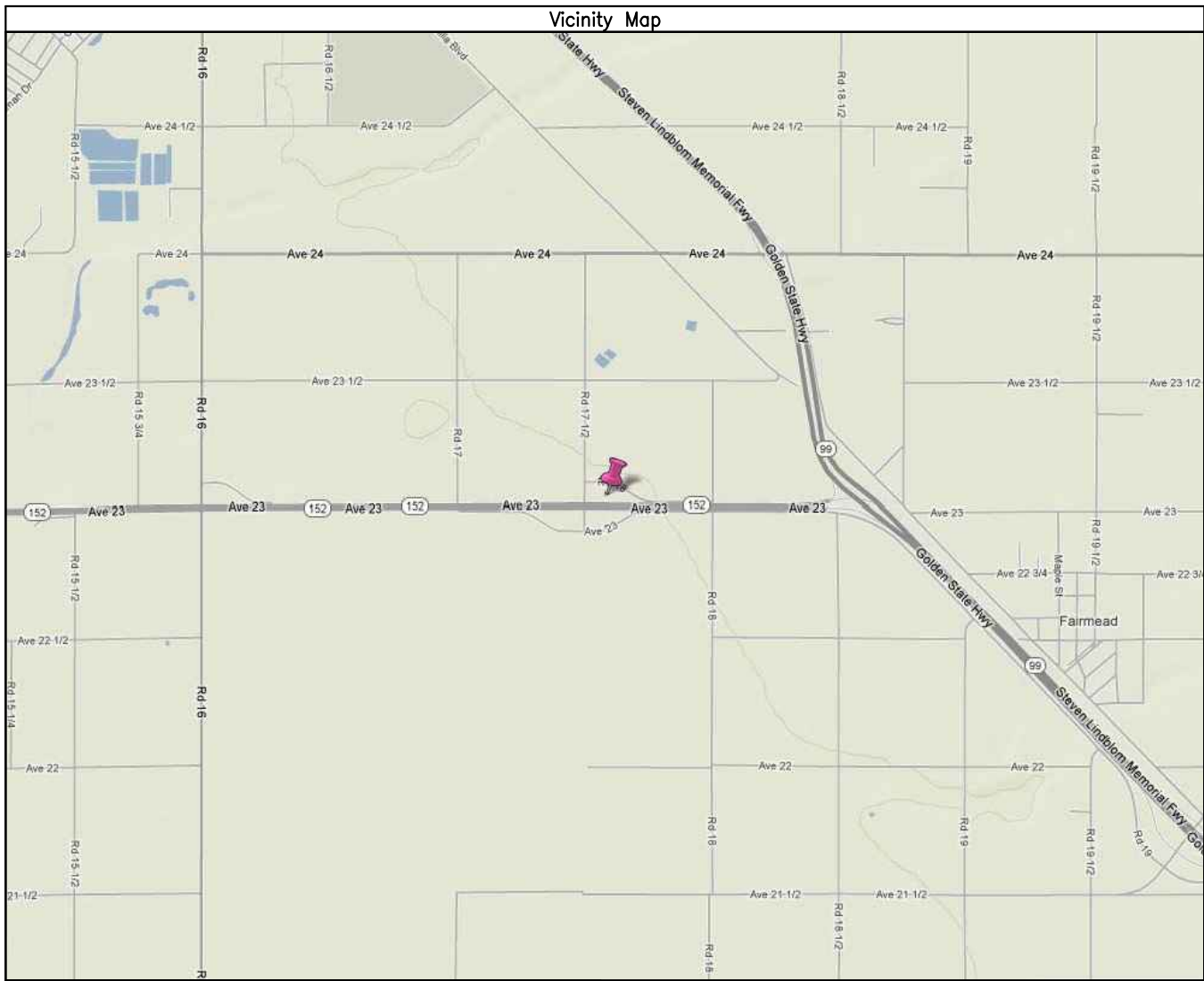
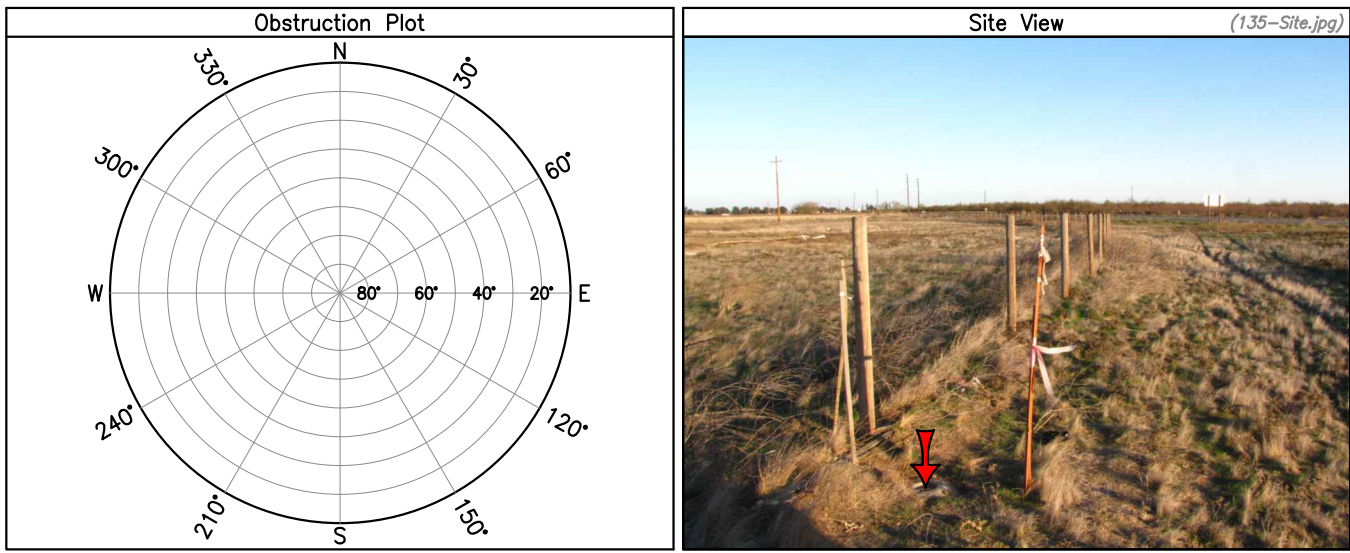
(135-Close.jpg)



Aerial View



#### SJRRP Geodetic Control Network





## SJRRP Geodetic Control Network

Date: 12/27/2011 Survey Date: 11/30/2011  
 City: Los Banos T: 10S R: 11E  
 County: Merced S: 23  
 State: California Meridian: Mount Diablo

### Final Adjusted Coordinates

Datum: NAD83 (Stat. GPS) Epoch: 2007.00  
 Latitude (DMS): N 37° 03' 16.98646"  
 Longitude (DMS): W 120° 44' 35.03083"

Projection: State Plane Zone: California 4  
 Northing (Grid): 2271706.38 usft.  
 Easting (Grid): 6053044.20 usft.

Datum: NAVD88 (Stat. GPS) Geoid: 2003  
 Ortho Height: 101.05 usft.

### Survey Mark Description

2.5" CADT Aluminum Disk stamped  
 "HPGN-CALIF., STA.10-01, 1991", set on rod  
 in well.

NGS PID: HS5410

### Go To Directions

Starting at the CA-33 / CA-152 split east of  
 Los Banos, CA

1. Head west on CA-33 / CA-152 for 5.9 mi

\*Point will be to the south of CA-33 /  
 CA-152 and west of a canal

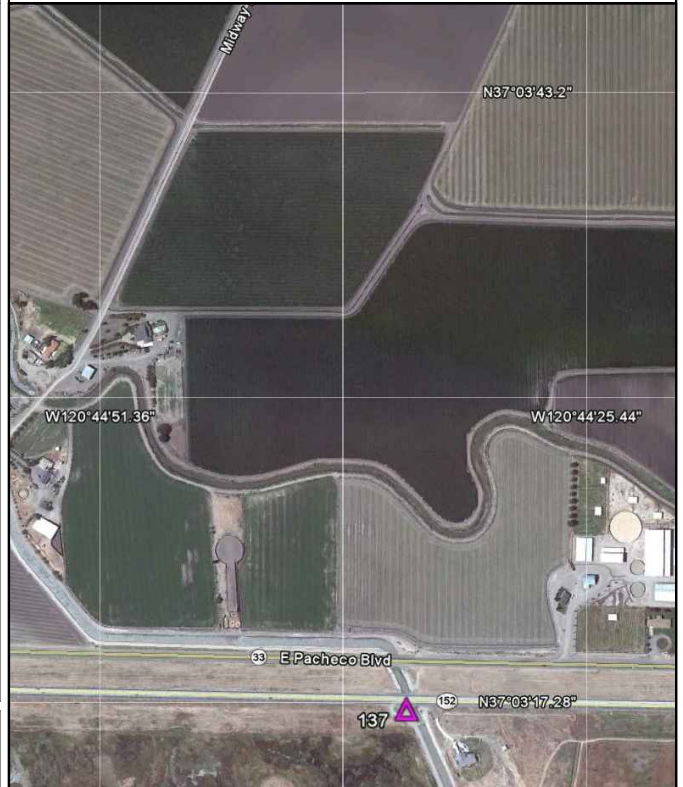
Entered By: W. Harrison  
 Checked By: G. Davis

Close Up View

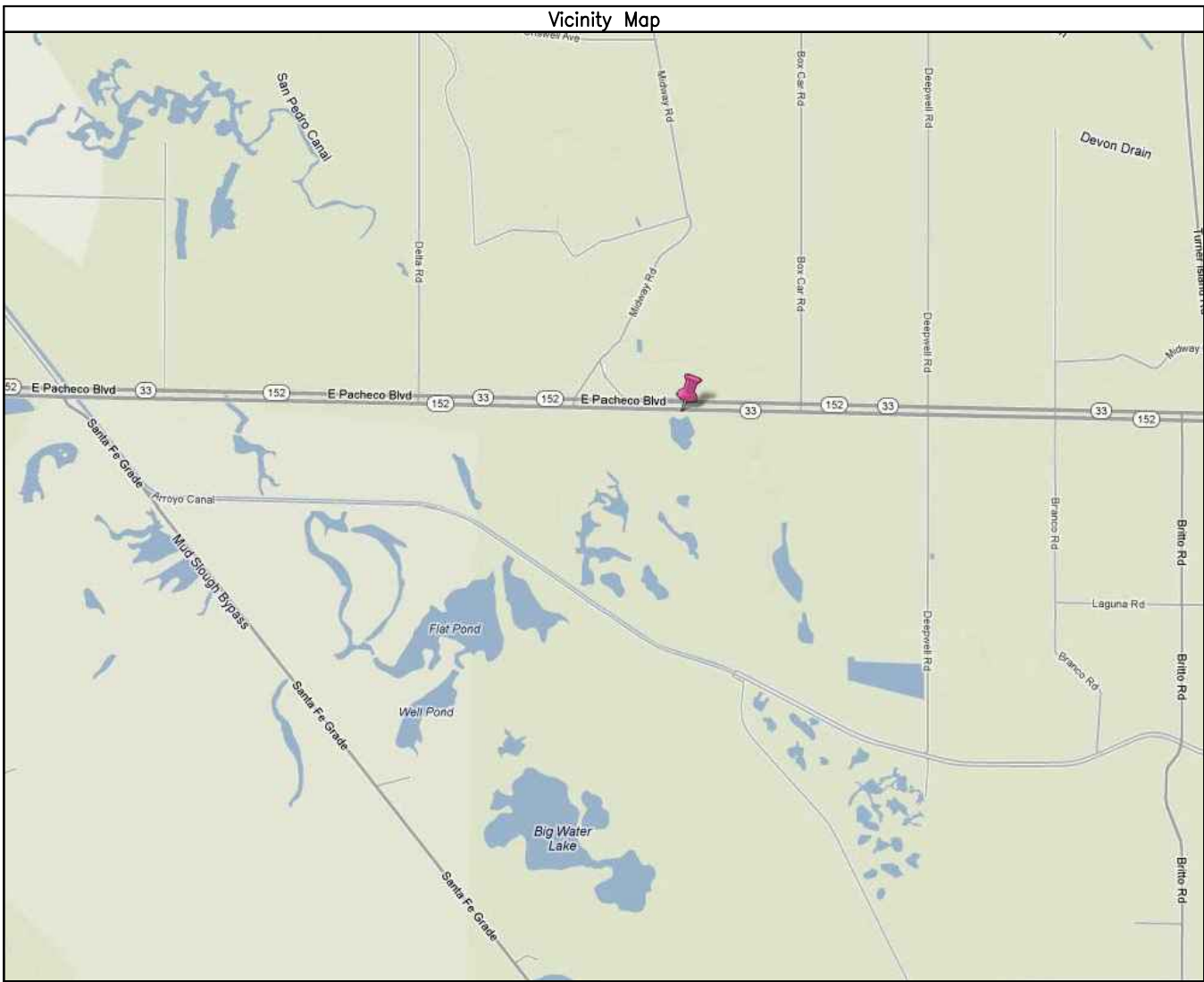
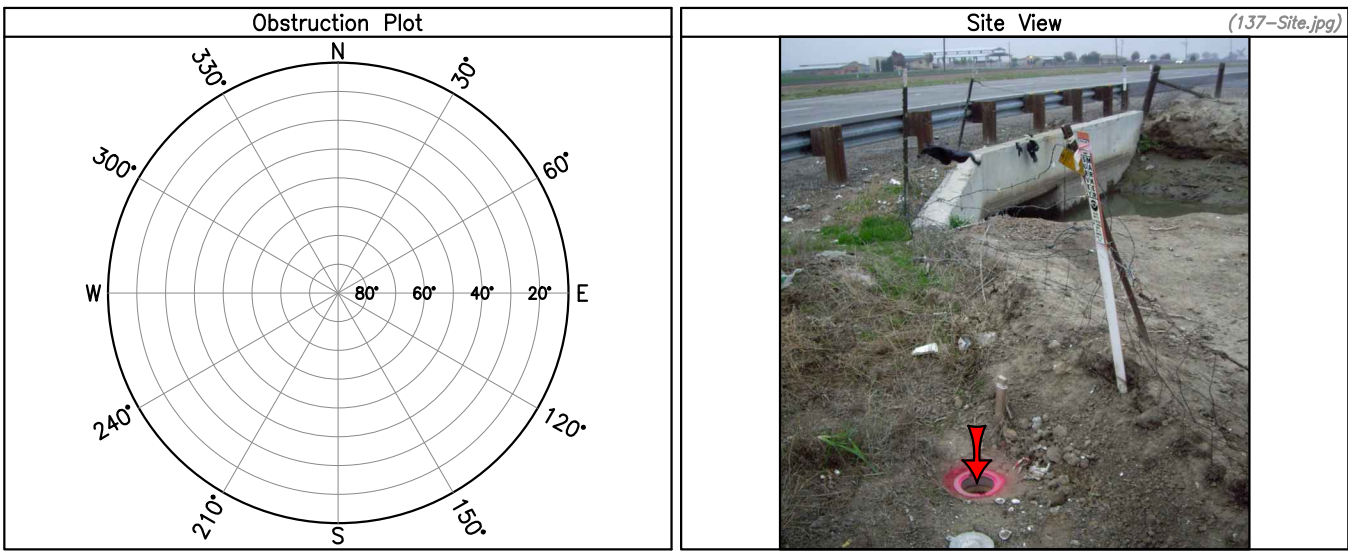
(137-Close.jpg)



Aerial View



### SJRRP Geodetic Control Network





## SJRRP Geodetic Control Network

Date: 12/27/2011 Survey Date: 11/30/2011  
 City: Patterson T: 5S R: 7E  
 County: Stanislaus S: 34  
 State: California Meridian: Mount Diablo

### Final Adjusted Coordinates

Datum: NAD83 (Stat. GPS) Epoch: 2007.00  
 Latitude (DMS): N 37° 27' 51.28777"  
 Longitude (DMS): W 121° 10' 40.41476"

Projection: State Plane Zone: California 4  
 Northing (Grid): 2423374.06 usft.  
 Easting (Grid): 5929562.86 usft.

Datum: NAVD88 (Stat. GPS) Geoid: 2003  
 Ortho Height: 239.11 usft.

### Survey Mark Description

2.5" CADT Aluminum Disk stamped  
 "HPGN-CALIF., STA.10-04, 1991", set on rod  
 in well.

NGS PID: HS5412

### Go To Directions

Starting at the intersection of I-5 and Sperry Ave west of Patterson, CA

1. Head east on Sperry Rd for 600 ft

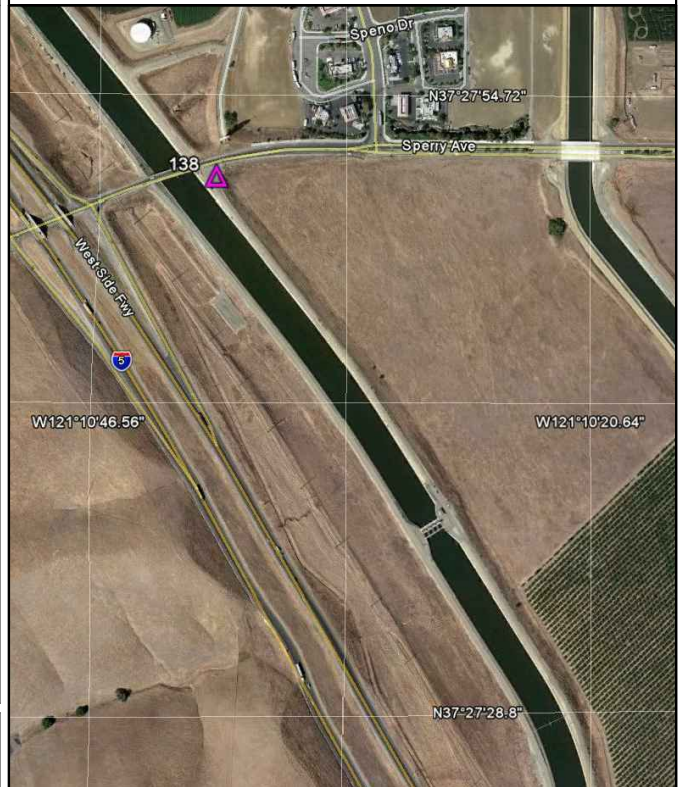
\*Point will be to the south of Sperry Rd and east of a canal

Close Up View

(138-Close.jpg)

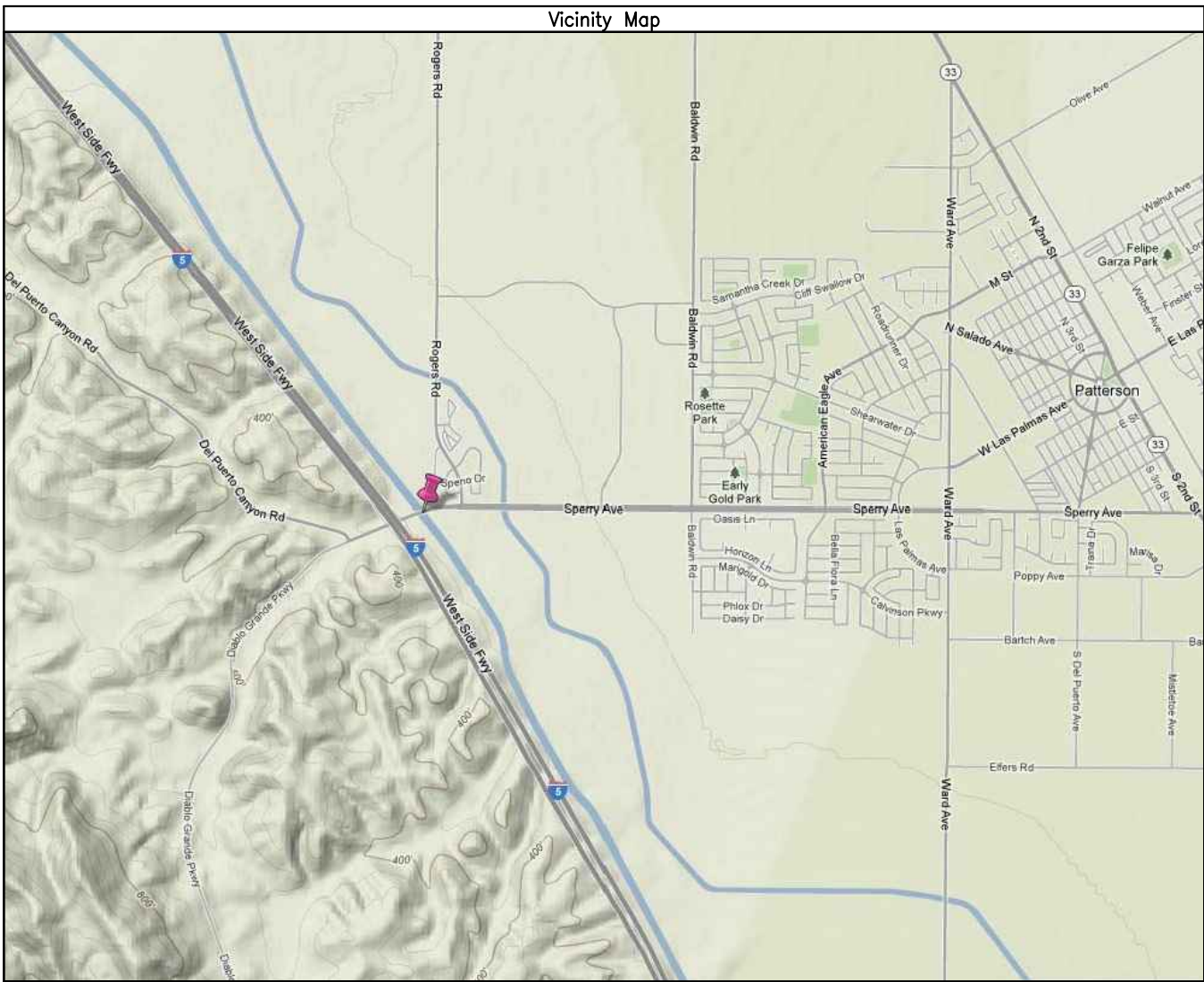
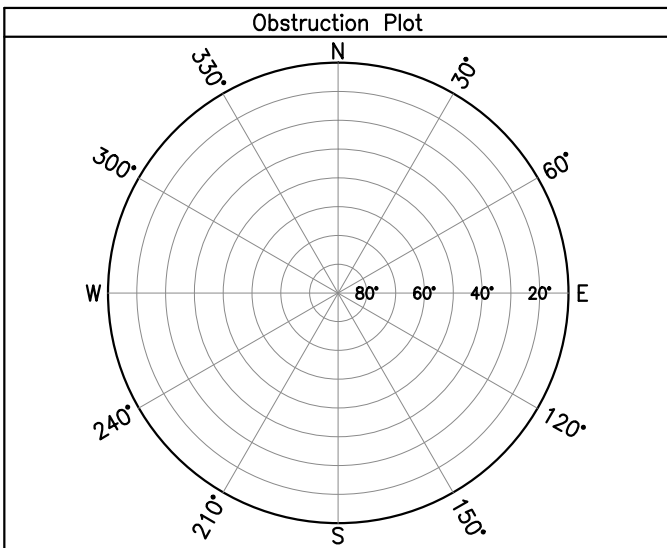


Aerial View



Entered By: W. Harrison  
 Checked By: G. Davis

## SJRRP Geodetic Control Network





## SJRRP Geodetic Control Network

Date: 12/27/2011 Survey Date: 11/30/2011  
 City: Kerman T: 15S R: 18E  
 County: Fresno S: 30  
 State: California Meridian: Mount Diablo

### Final Adjusted Coordinates

Datum: NAD83 (Stat. GPS) Epoch: 2007.00  
 Latitude (DMS): N 36° 35' 24.28666"  
 Longitude (DMS): W 120° 03' 39.04359"

Projection: State Plane Zone: California 4  
 Northing (Grid): 2099649.71 usft.  
 Easting (Grid): 6250234.98 usft.

Datum: NAVD88 (Stat. GPS) Geoid: 2003  
 Ortho Height: 186.99 usft.

### Survey Mark Description

2.5" CADT Aluminum Disk stamped  
 "CA-HPGN-DENSIFICATION, STA.06-NF, 1993",  
 set on rod in well.

NGS PID: AC6109

### Go To Directions

Starting at the intersection of CA-145 and  
 CA-180 in Kerman, CA

1. Head south on CA-145 for 10.1 mi

\*Point will be to the east of CA-145 and  
 southeast of canal

Entered By: W. Harrison  
 Checked By: G. Davis

Close Up View

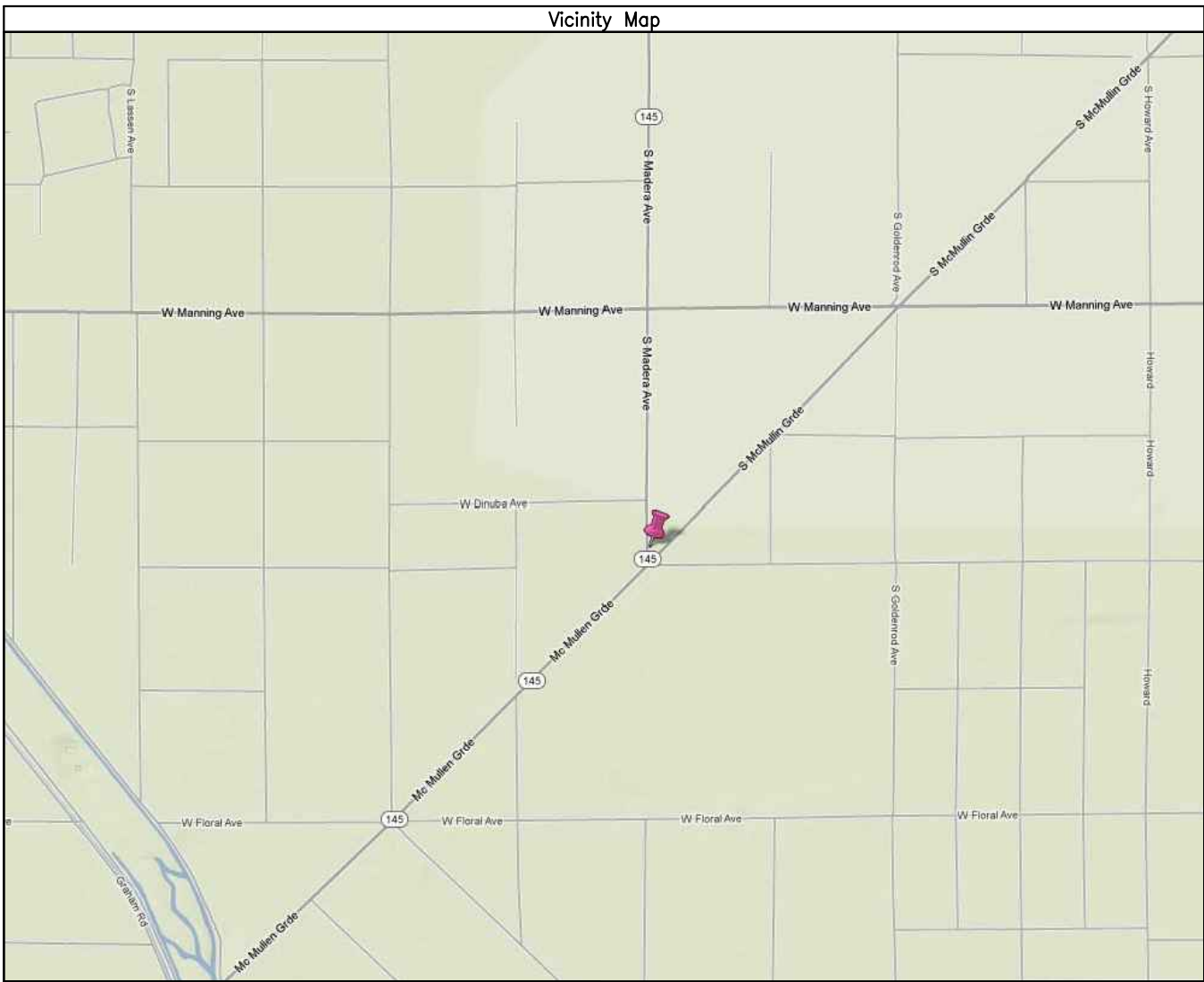
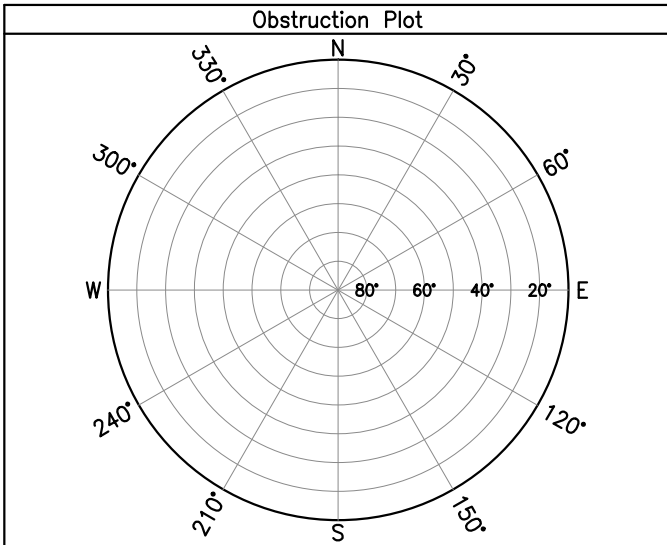
(139-Close.jpg)



Aerial View



## SJRRP Geodetic Control Network





## SJRRP Geodetic Control Network

Date: 12/27/2011 Survey Date: 11/30/2011  
City: Fresno T: 13S R: 19E  
County: Fresno S: 24  
State: California Meridian: Mount Diablo

### Final Adjusted Coordinates

Datum: NAD83 (Stat. GPS) Epoch: 2007.00  
Latitude (DMS): N 36° 47' 33.93580"  
Longitude (DMS): W 119° 51' 39.02147"

Projection: State Plane Zone: California 4  
Northing (Grid): 2172846.92 usft.  
Easting (Grid): 6309610.27 usft.

Datum: NAVD88 (Stat. GPS) Geoid: 2003  
Ortho Height: 292.41 usft.

### Survey Mark Description

2.5" CADT Aluminum Disk stamped  
"CA-HPGN-DENSIFICATION, STA.06-QF, 1993",  
set on rod in well.

NGS PID: AC6102

### Go To Directions

Starting at the intersection of CA-99 and  
CA-180 in Fresno, CA

1. Head north on CA-99 for 4.4 mi
2. Turn right, head northwest on Exit 138B  
for 0.2 mi
3. Turn right, head southeast on N Golden  
State Blvd for 0.1 mi
4. Turn right, head southeast on CA-99 South  
on ramp for 200 ft

\*Point will be to the west of on ramp and  
east of a fence

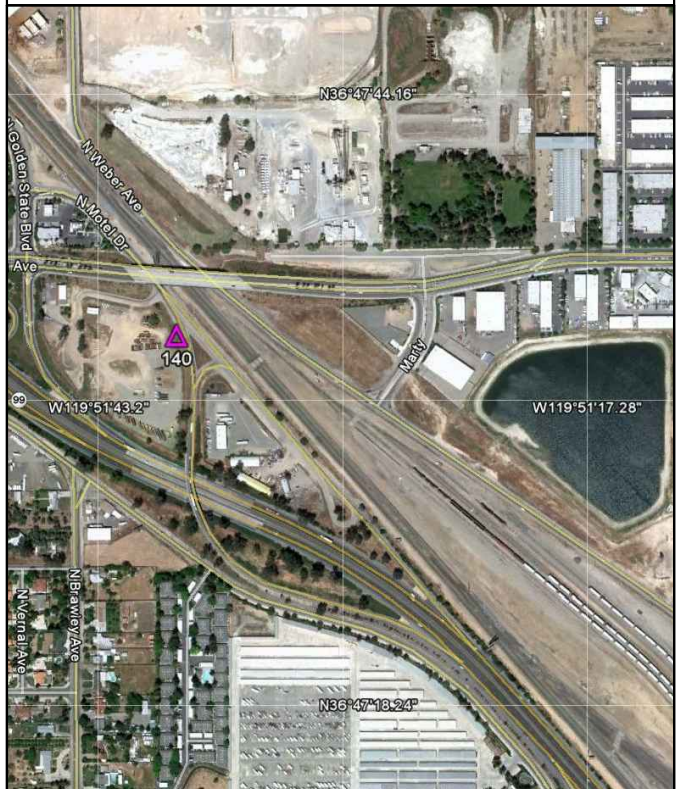
Entered By: W. Harrison  
Checked By: G. Davis

Close Up View

(140-Close.jpg)

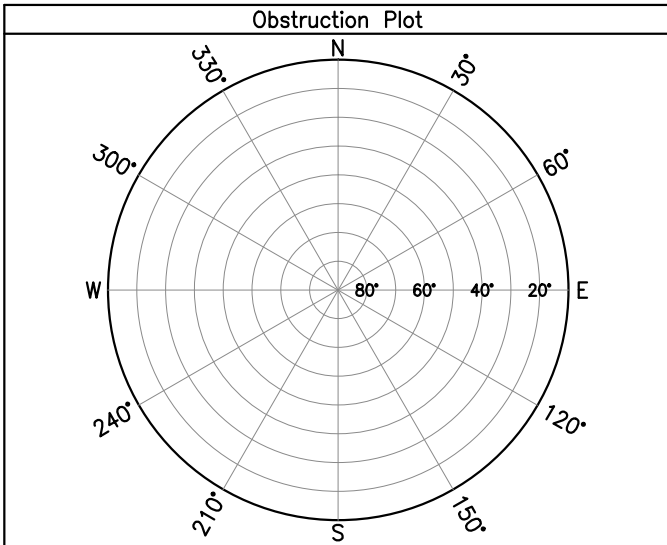


Aerial View





## SJRRP Geodetic Control Network





## SJRRP Geodetic Control Network

Date: 12/27/2011 Survey Date: 11/30/2011  
 City: Herndon T: 12S R: 18E  
 County: Madera S: 14  
 State: California Meridian: Mount Diablo

### Final Adjusted Coordinates

Datum: NAD83 (Stat. GPS) Epoch: 2007.00  
 Latitude (DMS): N 36° 53' 13.22188"  
 Longitude (DMS): W 119° 58' 53.89858"

Projection: State Plane Zone: California 4  
 Northing (Grid): 2207496.63 usft.  
 Easting (Grid): 6274591.76 usft.

Datum: NAVD88 (Stat. GPS) Geoid: 2003  
 Ortho Height: 285.41 usft.

### Survey Mark Description

2.5" CADT Aluminum Disk stamped  
 "CA-HPGN-DENSIFICATION, STA.06-RF, 1993",  
 set on rod in well.

NGS PID: AC6103

### Go To Directions

Starting at the intersection of CA-99 and Ave 7 north of Herndon, CA

1. Head northwest on CA-99 for 2.3 mi
2. Turn right, head northwest on Exit 147 for 0.3 mi
3. Turn right, head east on Ave 9 for 0.2 mi
4. Turn left, head north on Rd 30 1/2 for 0.7 mi

\*Point will be to the east of Rd 30 1/2 and north of a canal

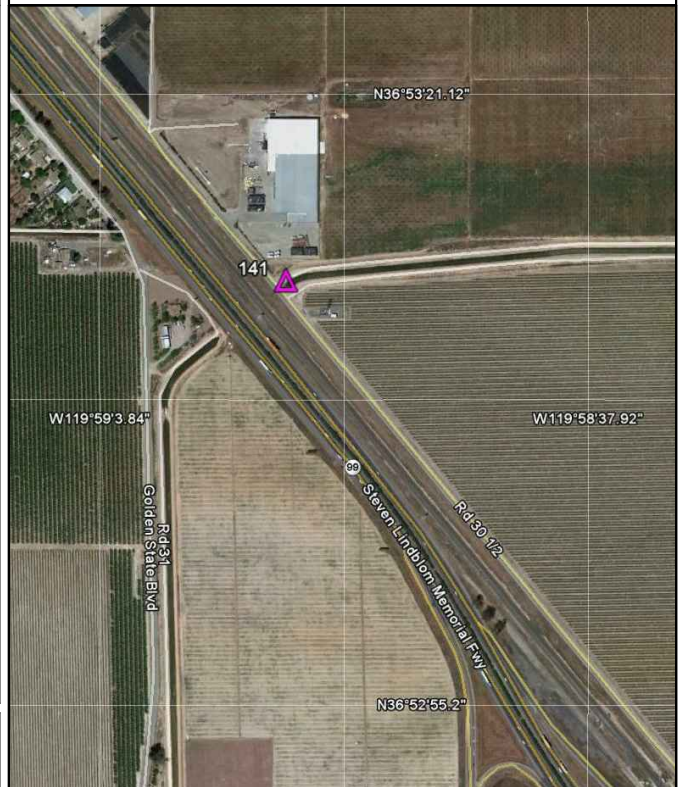
Entered By: W. Harrison  
 Checked By: G. Davis

Close Up View

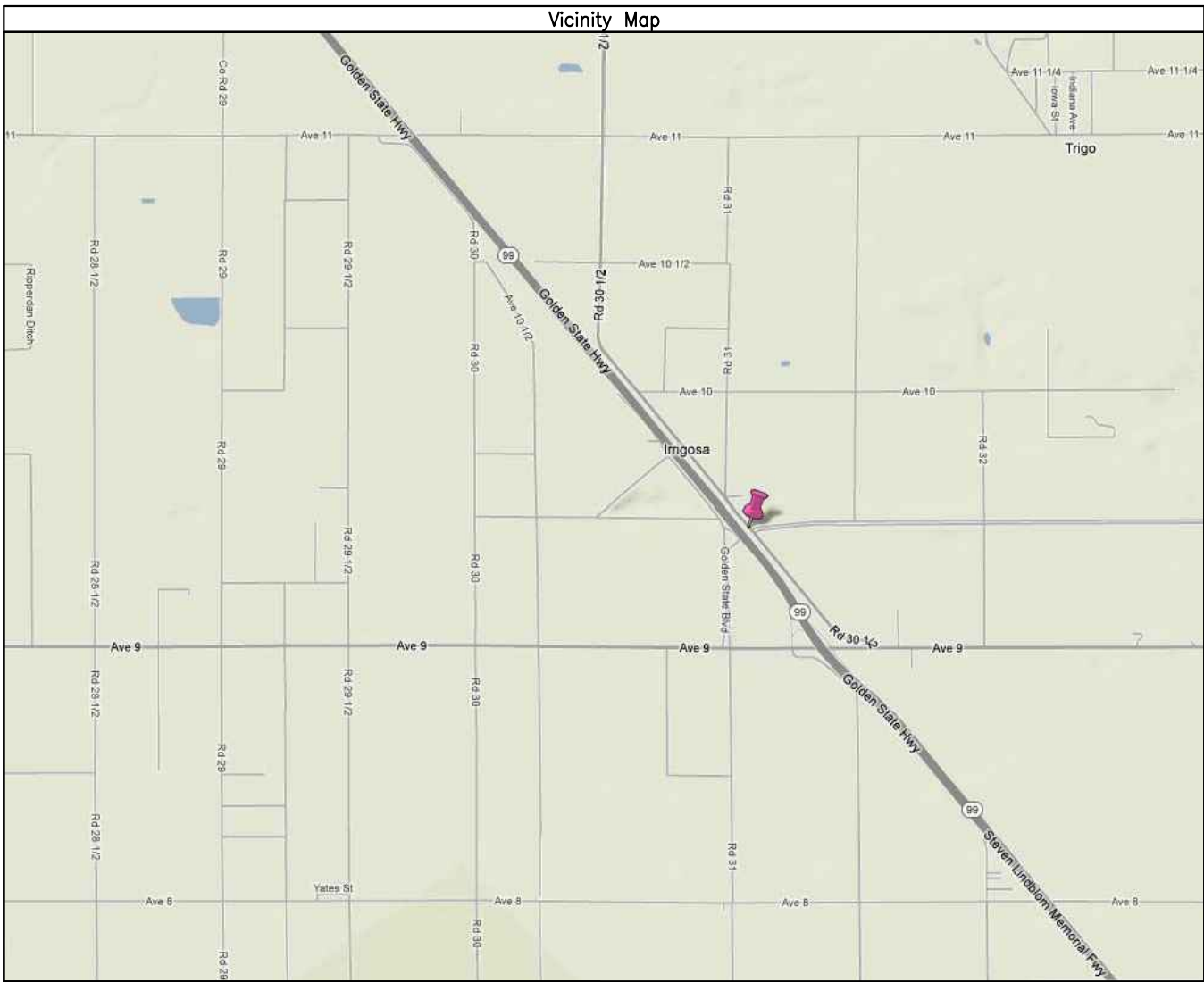
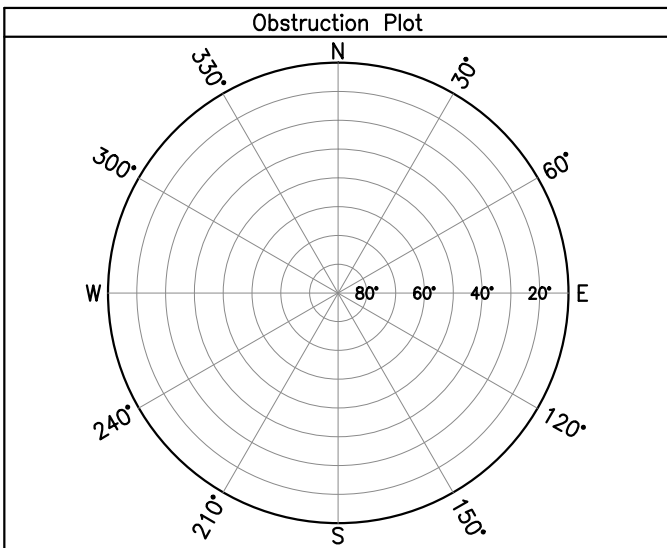
(141-Close.jpg)



Aerial View



## SJRRP Geodetic Control Network





## SJRRP Geodetic Control Network

Date: 12/27/2011 Survey Date: 11/30/2011  
City: Rolling Hills T: 11S R: 20E  
County: Madera S: 16  
State: California Meridian: Mount Diablo

### Final Adjusted Coordinates

Datum: NAD83 (Stat. GPS) Epoch: 2007.00  
Latitude (DMS): N 36° 58' 31.58110"  
Longitude (DMS): W 119° 47' 37.56648"

Projection: State Plane Zone: California 4  
Northing (Grid): 2239184.29 usft.  
Easting (Grid): 6329798.04 usft.

Datum: NAVD88 (Stat. GPS) Geoid: 2003  
Ortho Height: 430.40 usft.

### Survey Mark Description

2.5" CADT Aluminum Disk stamped  
"CA-HPGN-DENSIFICATION, STA.06-RG, 1993",  
set on rod in well.

NGS PID: AC6105

### Go To Directions

Starting at the intersection of CA-41 and Ave 12 north of Rolling Hills, CA

1. Head north on CA-41 for 3.6 mi

\*Point will be to the east of CA-41 and west of a canal levee

Entered By: W. Harrison  
Checked By: G. Davis

Close Up View

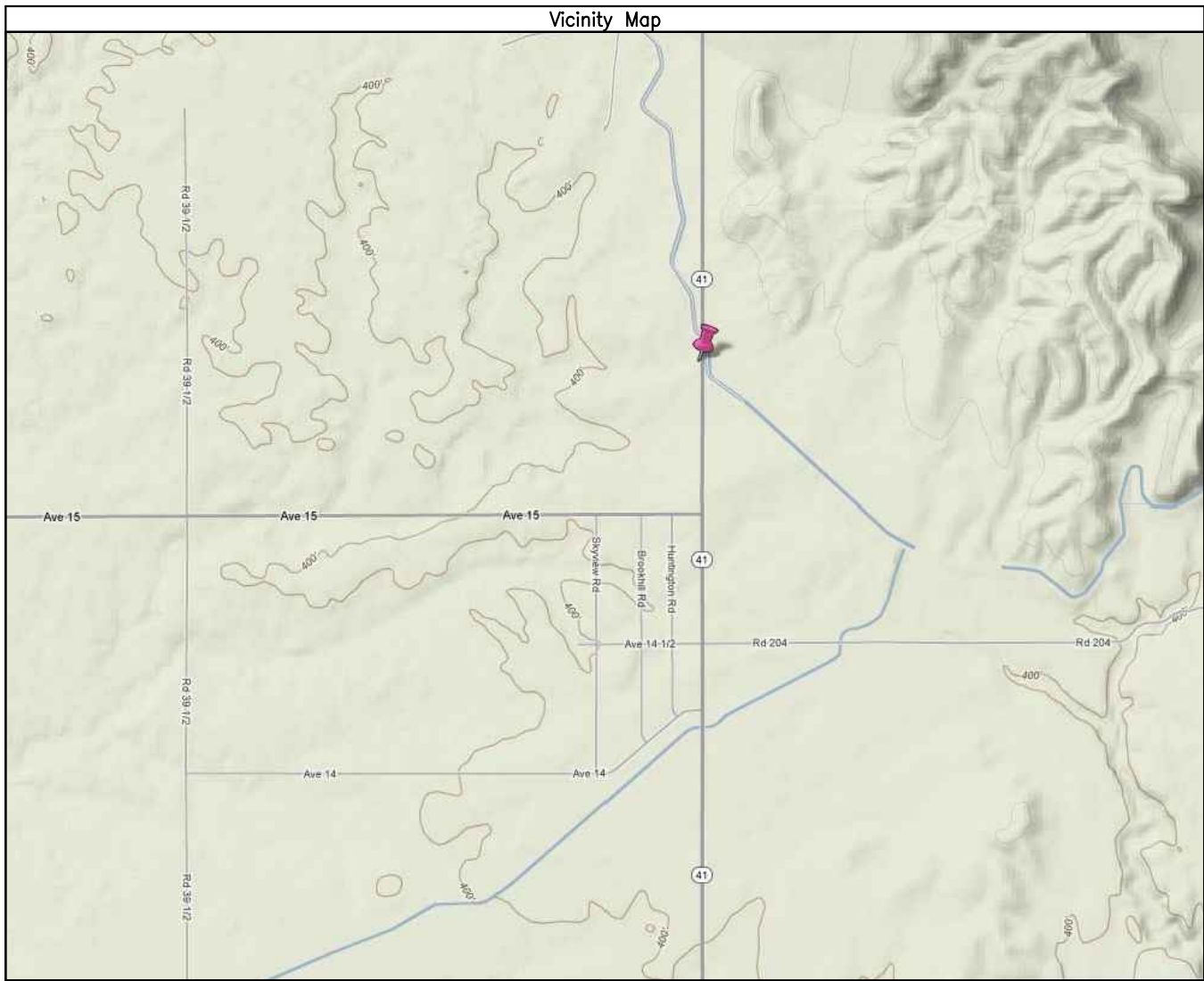
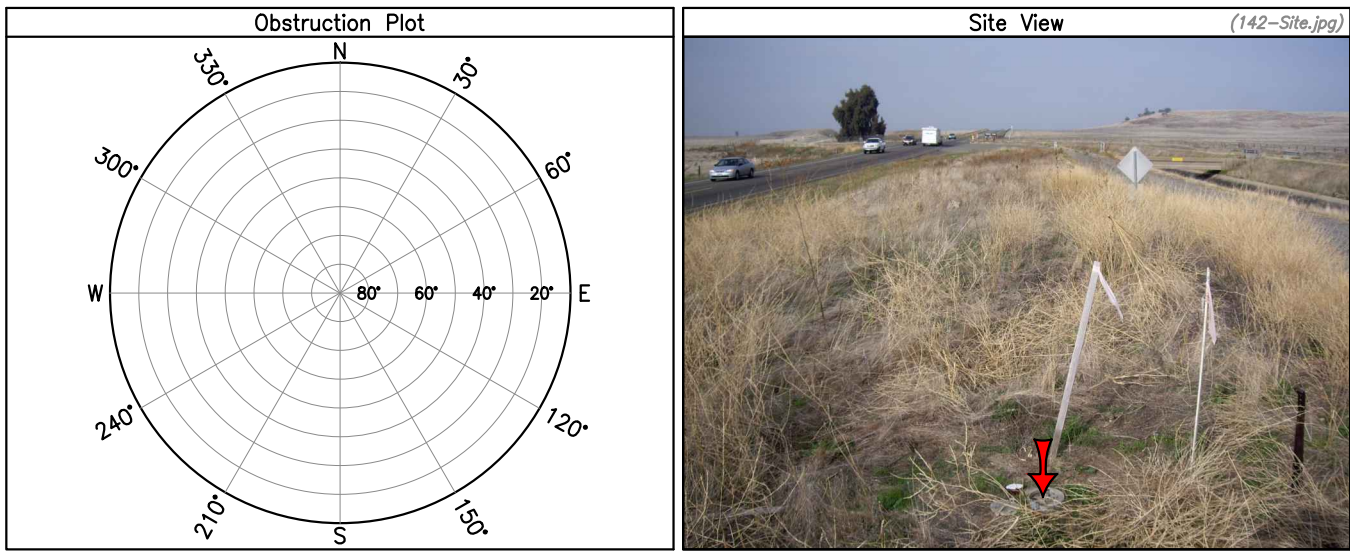
(142-Close.jpg)



Aerial View



#### SJRRP Geodetic Control Network





## SJRRP Geodetic Control Network

Date: 12/27/2011 Survey Date: 11/30/2011  
 City: Rolling Hills T: 10S R: 20E  
 County: Madera S: 2  
 State: California Meridian: Mount Diablo

### Final Adjusted Coordinates

Datum: NAD83 (Stat. GPS) Epoch: 2007.00

Latitude (DMS): N 37° 05' 41.59638"

Longitude (DMS): W 119° 45' 08.46972"

Projection: State Plane Zone: California 4

Northing (Grid): 2282575.54 usft.

Easting (Grid): 6342236.49 usft.

Datum: NAVD88 (Stat. GPS) Geoid: 2003

Ortho Height: 1107.19 usft.

### Survey Mark Description

2.5" CADT Aluminum Disk stamped  
 "CA-HPGN-DENSIFICATION, STA.06-SG, 1993",  
 set in rock.

NGS PID: AC6106

### Go To Directions

Starting at the intersection of CA-41 and Ave 12 north of Rolling Hills, CA

1. Head north on CA-41 for 12.4 mi

\*Point will be to the west of CA-41 and north of Bates Station Rd

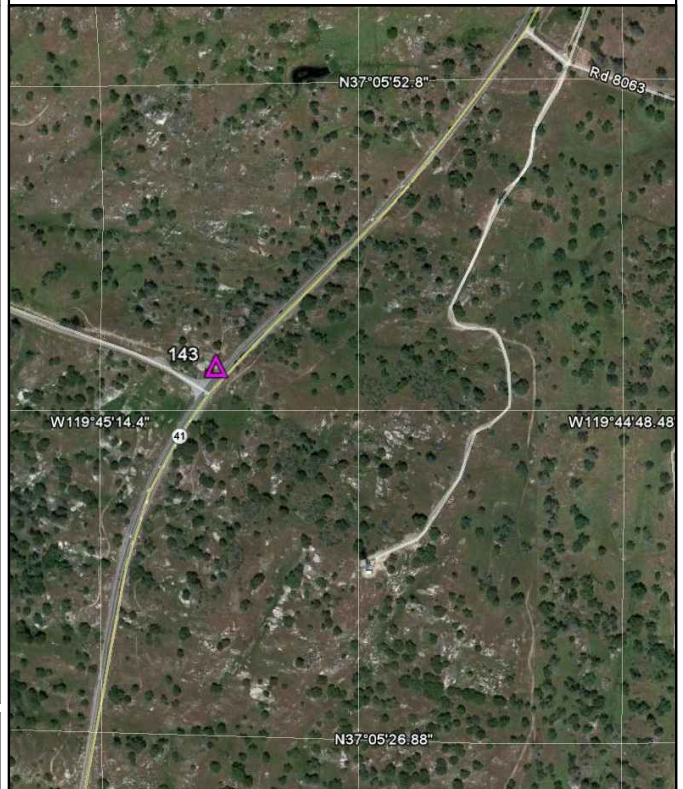
Entered By: W. Harrison  
 Checked By: G. Davis

Close Up View

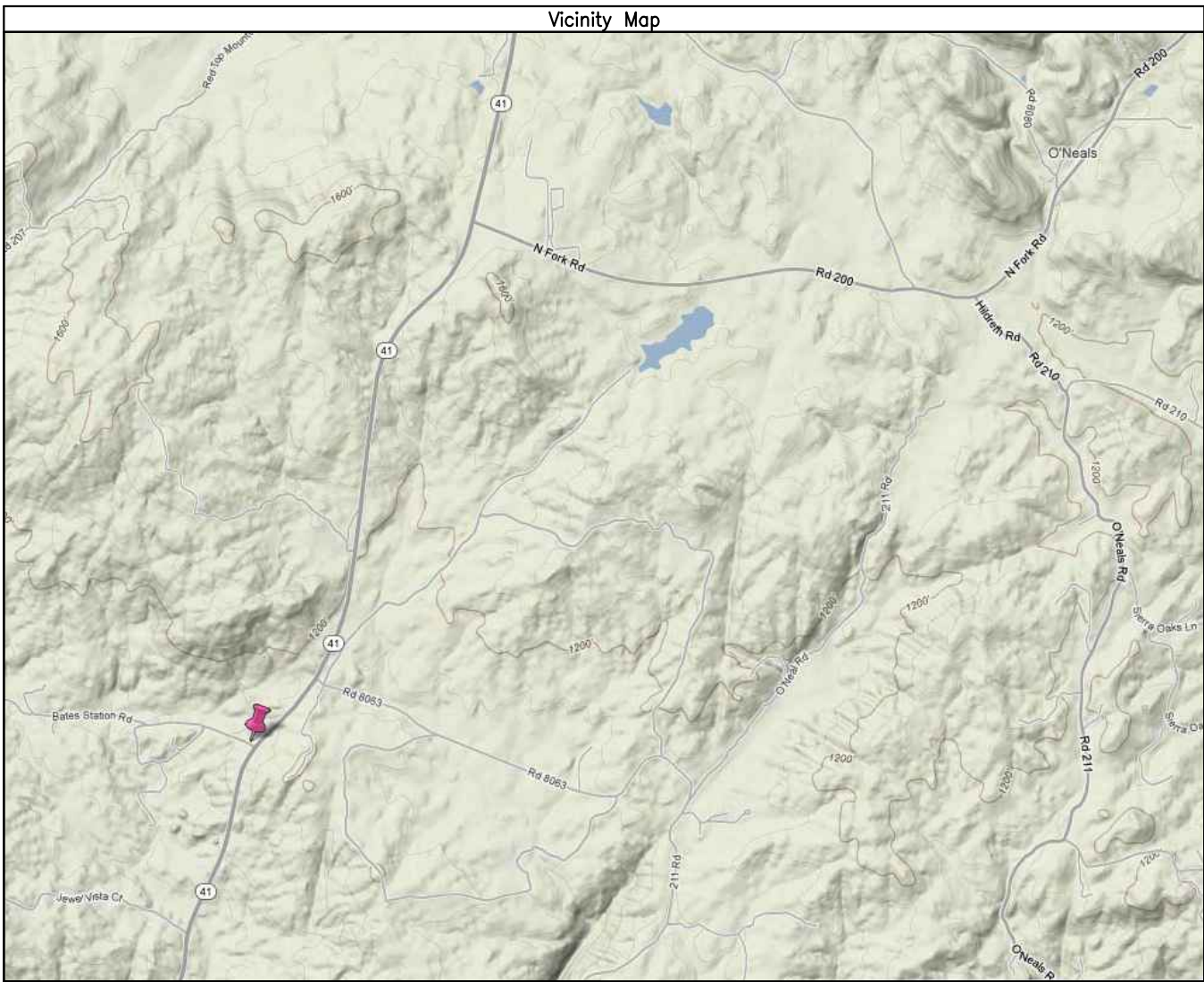
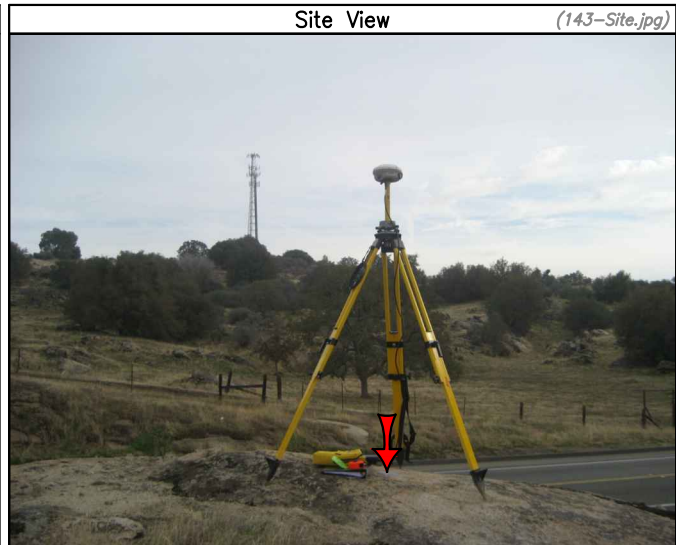
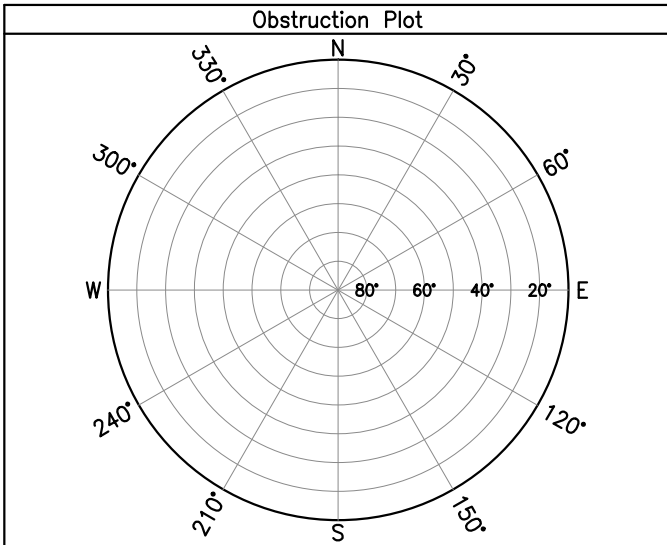
(143-Close.jpg)



Aerial View



#### SJRRP Geodetic Control Network





## SJRRP Geodetic Control Network

Date: 12/27/2011 Survey Date: 11/30/2011  
City: Los Banos T: 12S R: 10E  
County: Merced S: 1  
State: California Meridian: Mount Diablo

### Final Adjusted Coordinates

Datum: NAD83 (Stat. GPS) Epoch: 2007.00  
Latitude (DMS): N 36° 55' 01.19899"  
Longitude (DMS): W 120° 49' 13.18395"

Projection: State Plane Zone: California 4  
Northing (Grid): 2221992.46 usft.  
Easting (Grid): 6029550.83 usft.

Datum: NAVD88 (Stat. GPS) Geoid: 2003  
Ortho Height: 314.24 usft.

### Survey Mark Description

2.5" CADT Aluminum Disk stamped  
"CA-HPGN-DENSIFICATION, STA.10-BK, 1993",  
set on rod in well.

NGS PID: AA4253

### Go To Directions

Starting at the intersection of I-5 and CA-33  
/ CA-152 west of Los Banos, CA

1. Head south on I-5 for 11.0 mi
2. Turn right, head southeast on Exit 391 for 0.2 mi
3. Turn left, head northeast on CA-165 for 0.4 mi
4. Turn right, head southeast on Poleline Rd for 1.7 mi
5. Turn left, head north on 1st Lift Canal for 0.2 mi

\*Point will be to the west of 1st Lift Canal and south of a dirt road

Entered By: W. Harrison  
Checked By: G. Davis

Close Up View

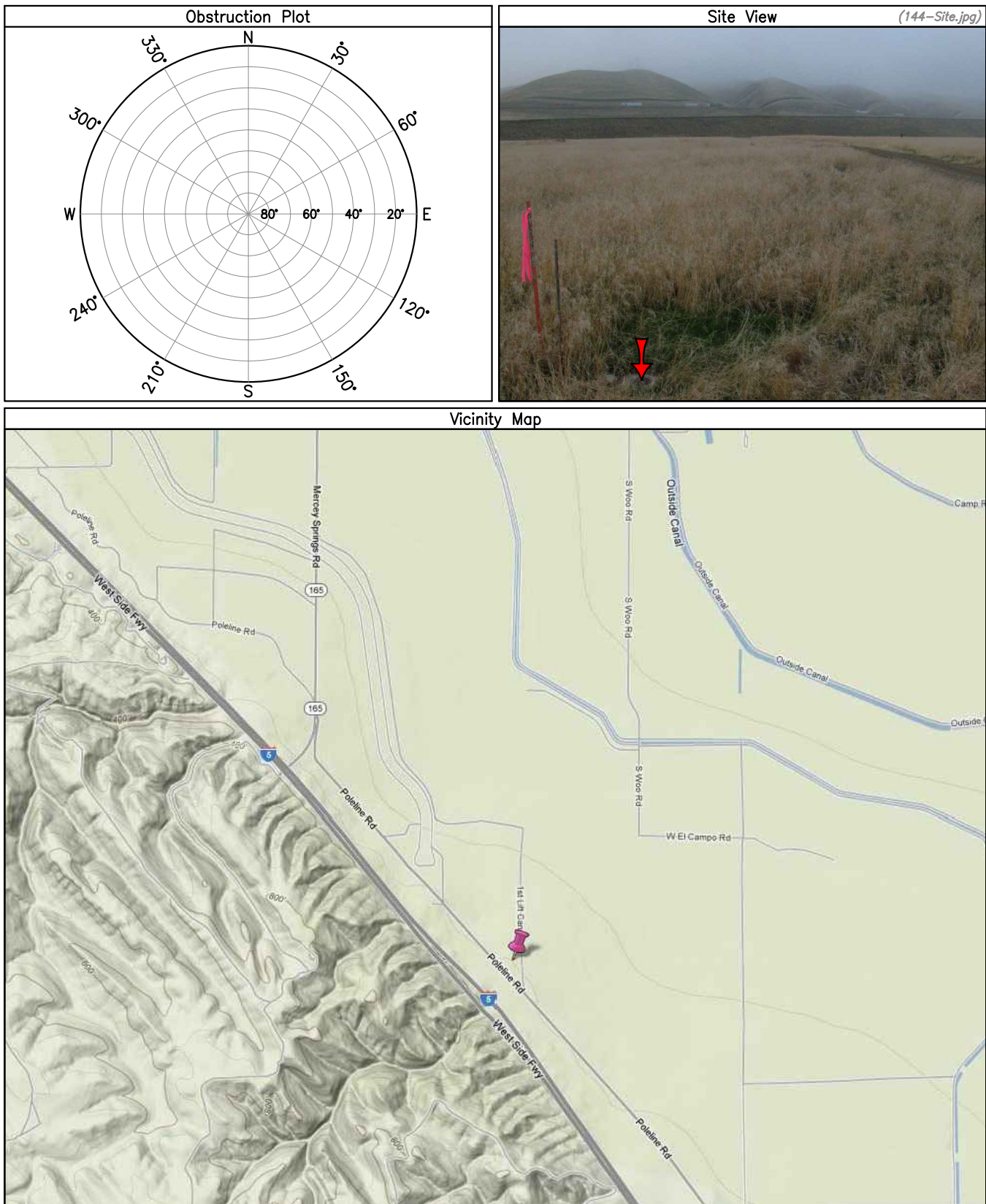
(144-Close.jpg)



Aerial View



#### SJRRP Geodetic Control Network





## SJRRP Geodetic Control Network

Date: 12/27/2011 Survey Date: 11/30/2011  
 City: Fresno T: 12S R: 22E  
 County: Fresno S: 22  
 State: California Meridian: Mount Diablo

### Final Adjusted Coordinates

Datum: NAD83 (Stat. GPS) Epoch: 2007.00  
 Latitude (DMS): N 36° 52' 00.29609"  
 Longitude (DMS): W 119° 33' 41.32075"

Projection: State Plane Zone: California 4  
 Northing (Grid): 2199134.51 usft.  
 Easting (Grid): 6397420.40 usft.

Datum: NAVD88 (Stat. GPS) Geoid: 2003  
 Ortho Height: 494.09 usft.

### Survey Mark Description

3" USGS Brass Disk stamped "J1233, 1972",  
 set in rock.

NGS PID: GT1583

### Go To Directions

Starting at the intersection of CA-99 and  
 CA-180 in Fresno, CA

1. Head northeast on CA-180 for 3.4 mi
2. Turn right, Head southeast on Exit 60A to  
 north on CA-168 for 15.3
3. Turn right, Head southeast on E Shepherd  
 Ave for 0.2 mi

\*Point will be to the south of E Shepard Ave  
 and north a dirt road

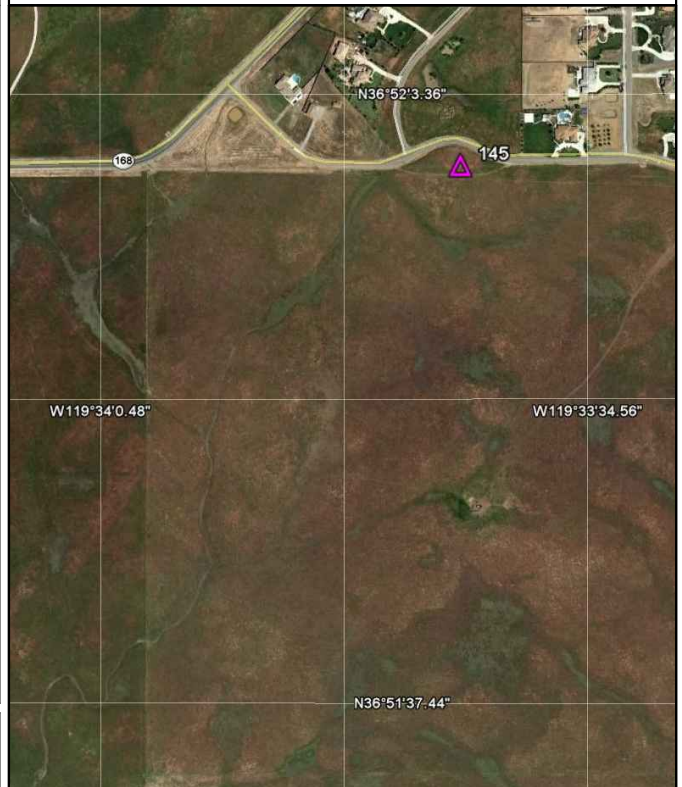
Entered By: W. Harrison  
 Checked By: G. Davis

Close Up View

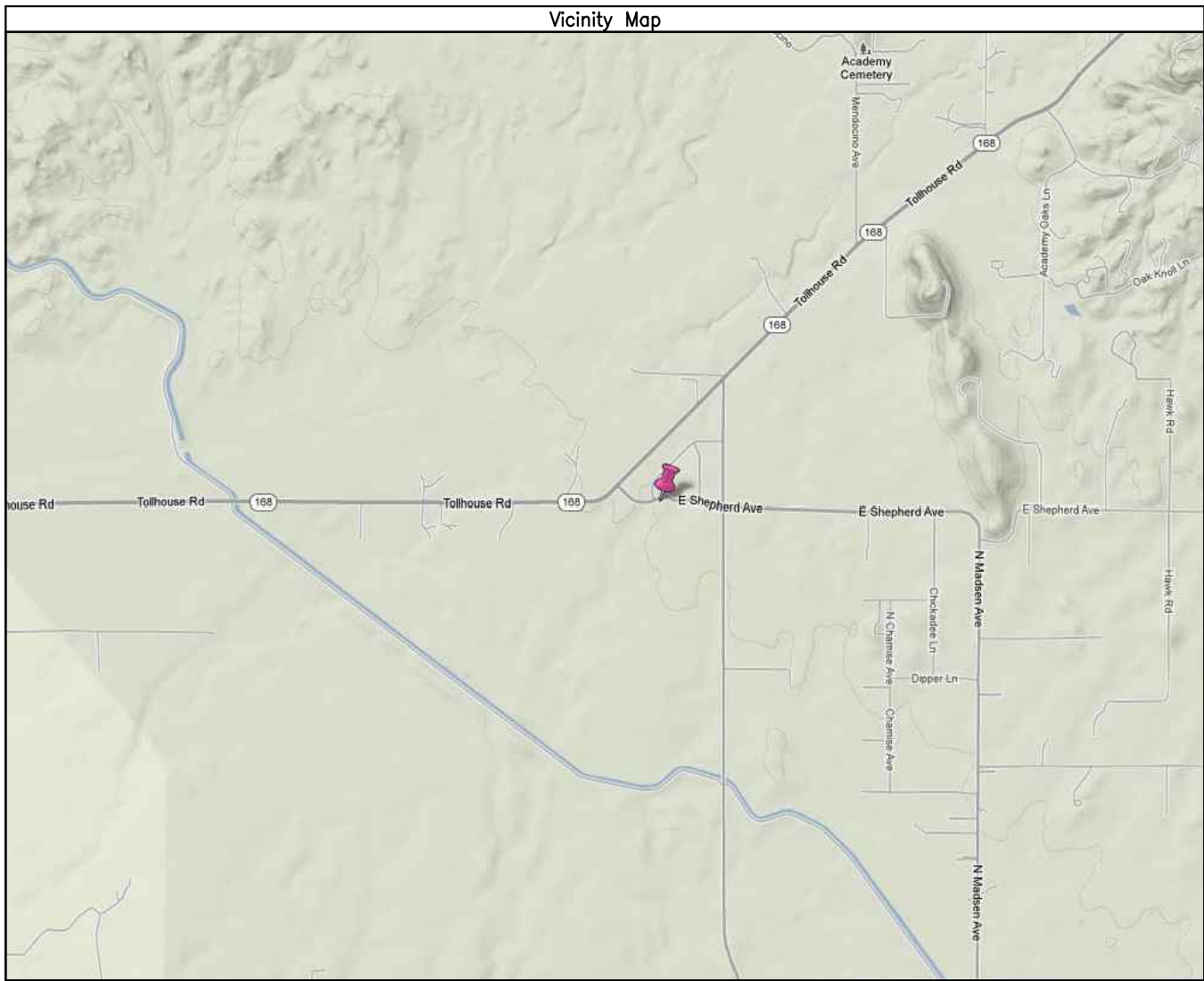
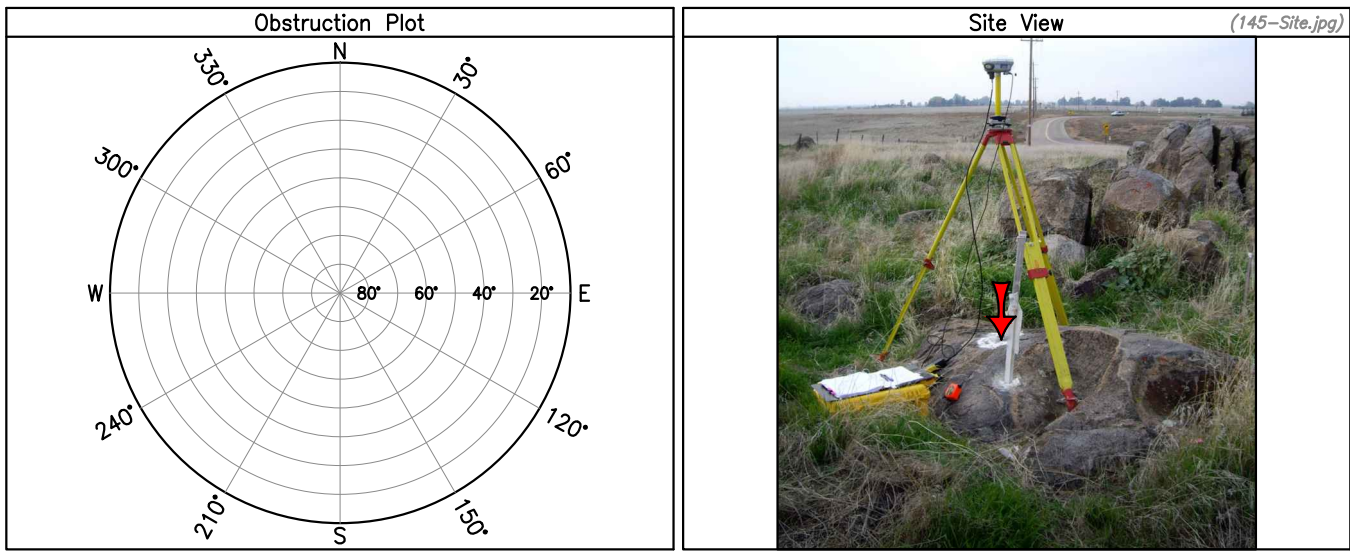
(145-Close.jpg)



Aerial View



#### SJRRP Geodetic Control Network





## SJRRP Geodetic Control Network

Date: 12/27/2011 Survey Date: 11/30/2011  
 City: Los Banos Rancho: San Luis Gonzaga  
 County: Merced  
 State: California Meridian: Mount Diablo

### Final Adjusted Coordinates

Datum: NAD83 (Stat. GPS) Epoch: 2007.00

Latitude (DMS): N 37° 03' 31.98347"

Longitude (DMS): W 121° 03' 24.76182"

Projection: State Plane Zone: California 4

Northing (Grid): 2275034.32 usft.

Easting (Grid): 5961519.30 usft.

Datum: NAVD88 (Stat. GPS) Geoid: 2003

Ortho Height: 285.34 usft.

### Survey Mark Description

3" USGS Brass Disk stamped "K 361, 1952", set in concrete structure.

NGS PID: HS2341

### Go To Directions

Starting at the intersection of I-5 and CA-33 / CA-152 west of Los Banos, CA

1. Head west on CA-33 / CA-152 for 4.9 mi
2. Turn left, Head southwest on Basalt Rd for 0.1 mi
3. Turn left, head east on Gonzaga Rd for 360 ft

\*Point will be to the north of Gonzaga Rd

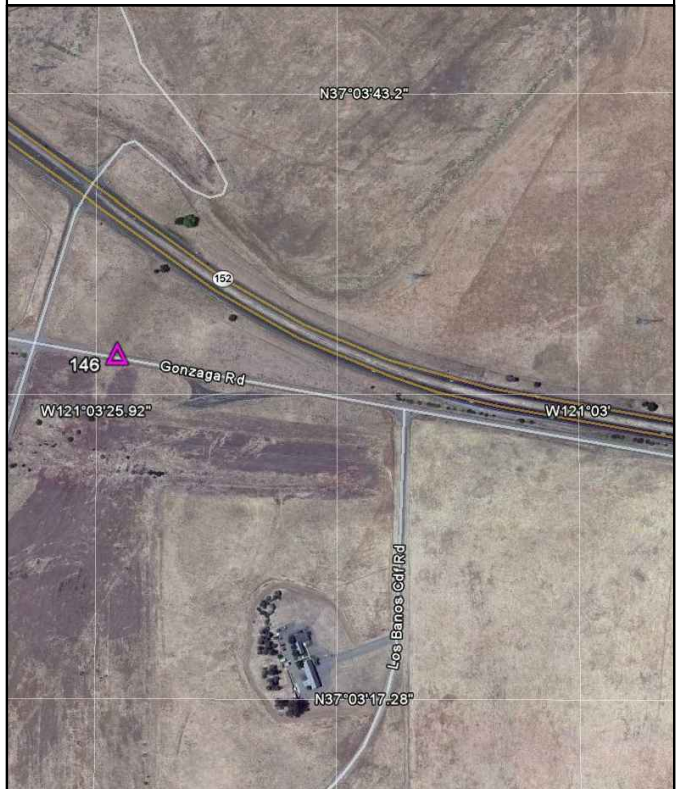
Entered By: W. Harrison  
 Checked By: G. Davis

Close Up View

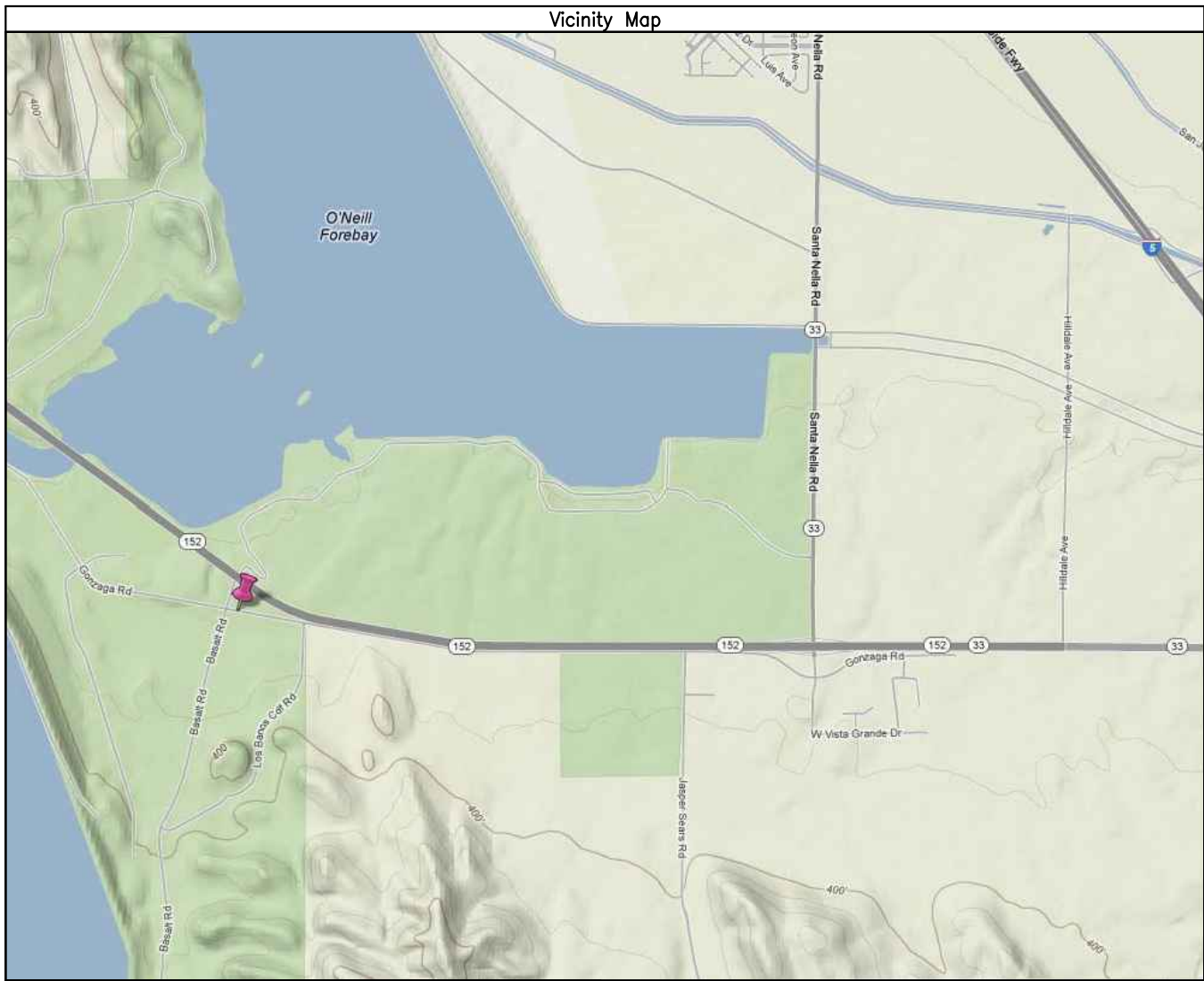
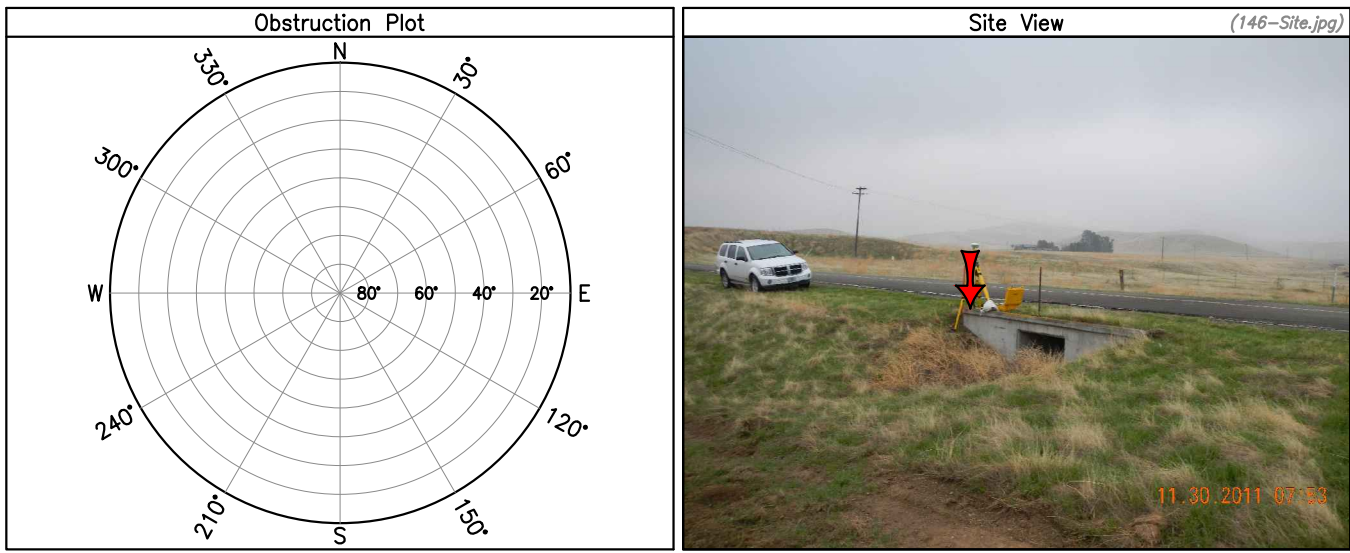
(146-Close.jpg)



Aerial View



## SJRRP Geodetic Control Network





**SJRRP Geodetic Control Network**

Date: 12/27/2011 Survey Date: 11/30/2011  
 City: Los Banos T: 11S R: 13E  
 County: Fresno S: 20  
 State: California Meridian: Mount Diablo

Final Adjusted Coordinates

Datum: NAD83 (Stat. GPS) Epoch: 2007.00  
 Latitude (DMS): N 36° 57' 58.56692"  
 Longitude (DMS): W 120° 33' 53.90130"

Projection: State Plane Zone: California 4  
 Northing (Grid): 2238612.26 usft.  
 Easting (Grid): 6104481.34 usft.

Datum: NAVD88 (Stat. GPS) Geoid: 2003  
 Ortho Height: 124.22 usft.

Survey Mark Description

2.5" CADT Aluminum Disk stamped "KELLIE, 2003", set on rod in well.

NGS PID: DH6674

Go To Directions

Starting at the CA-33 / CA-152 split east of Los Banos, CA

1. Head south on CA-33 for 4.7 mi
2. Turn left, head east on Valeria St for 4.0 mi
3. Turn right, head south on Fairfax Ave for 1.2 mi

\*Point will be to the west of Fairfax Ave at the intersection of two canals

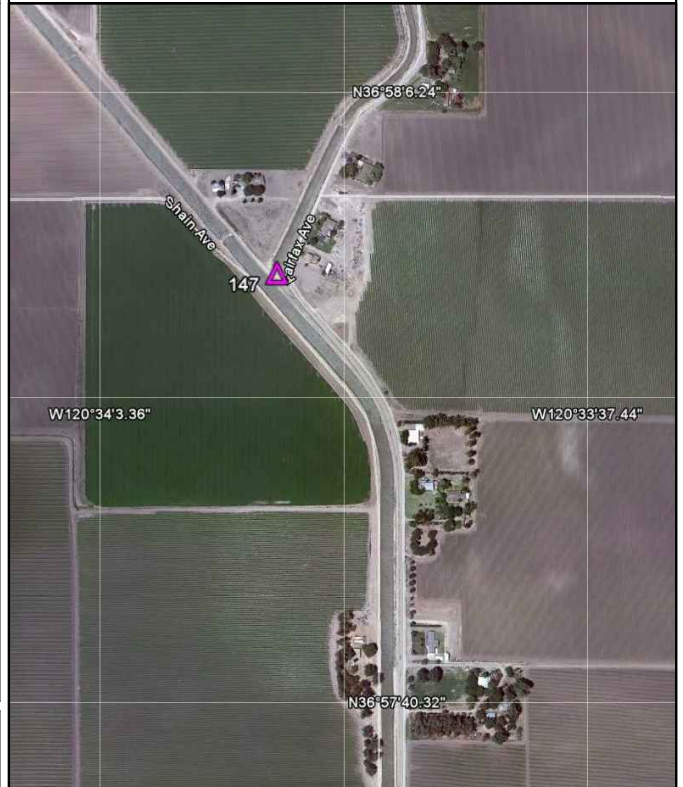
Entered By: W. Harrison  
 Checked By: G. Davis

Close Up View

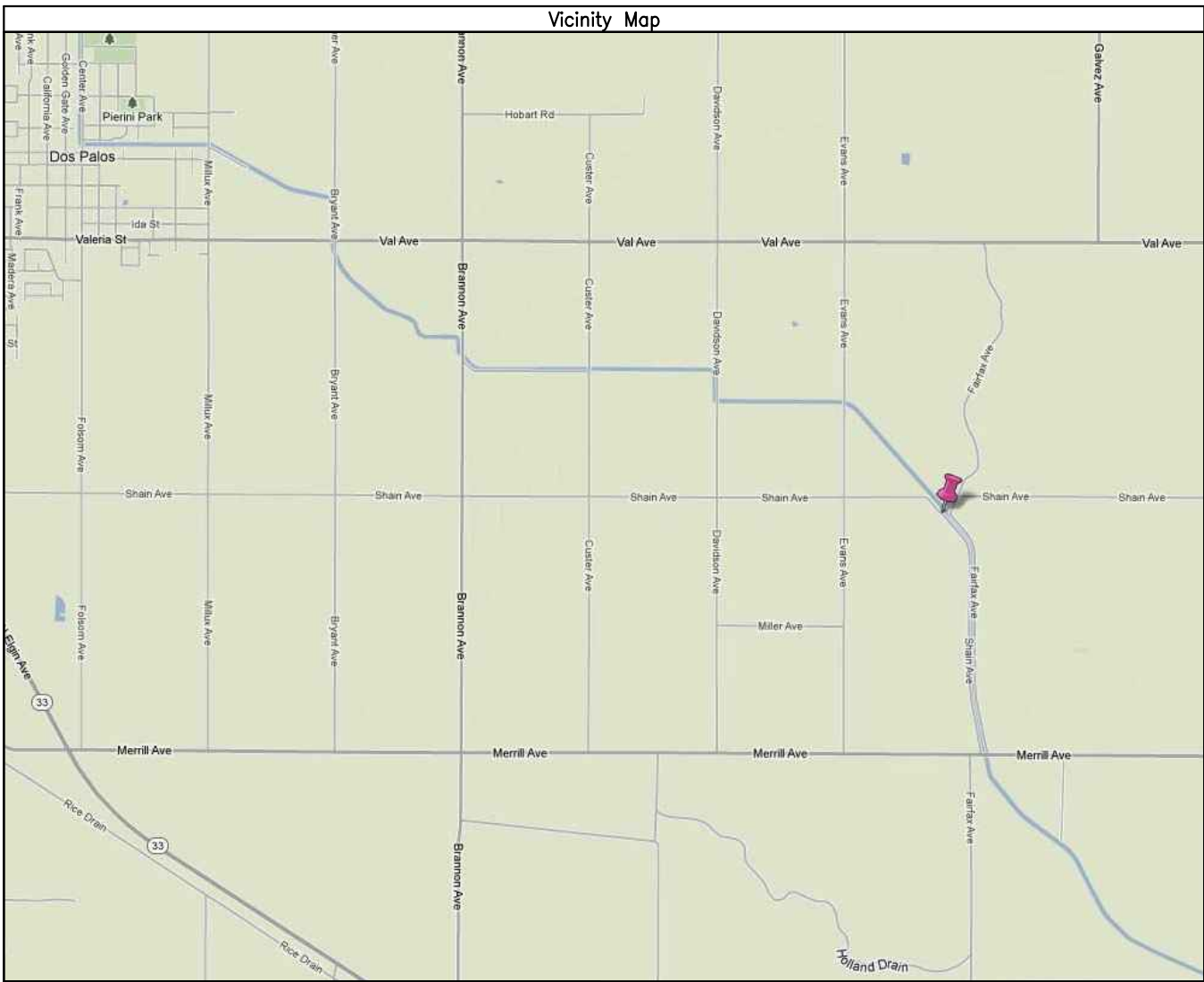
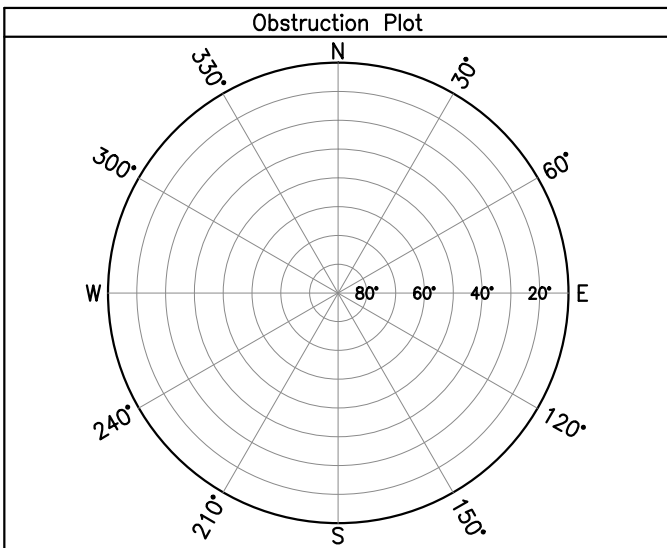
(147-Close.jpg)



Aerial View



### SJRRP Geodetic Control Network





## SJRRP Geodetic Control Network

Date: 12/27/2011 Survey Date: 11/30/2011  
 City: Livingston T: 6S R: 11E  
 County: Merced S: 25  
 State: California Meridian: Mount Diablo

### Final Adjusted Coordinates

Datum: NAD83 (Stat. GPS) Epoch: 2007.00  
 Latitude (DMS): N 37° 23' 12.29808"  
 Longitude (DMS): W 120° 43' 15.87696"

Projection: State Plane Zone: California 4  
 Northing (Grid): 2392467.49 usft.  
 Easting (Grid): 6061625.74 usft.

Datum: NAVD88 (Stat. GPS) Geoid: 2003  
 Ortho Height: 134.38 usft.

### Survey Mark Description

3" NGS Brass Disk stamped "LIVINGSTON 1931, 1982", set in concrete block.

NGS PID: HS5446

### Go To Directions

Starting at the intersection of CA-99 and Main St in Livingston, CA

1. Head southwest on Main St for 190 ft
2. Turn left, head southeast into parking lot
3. Follow north side of train tracks behind business for 520 ft

\*Point will be to the north of train tracks in fenced area

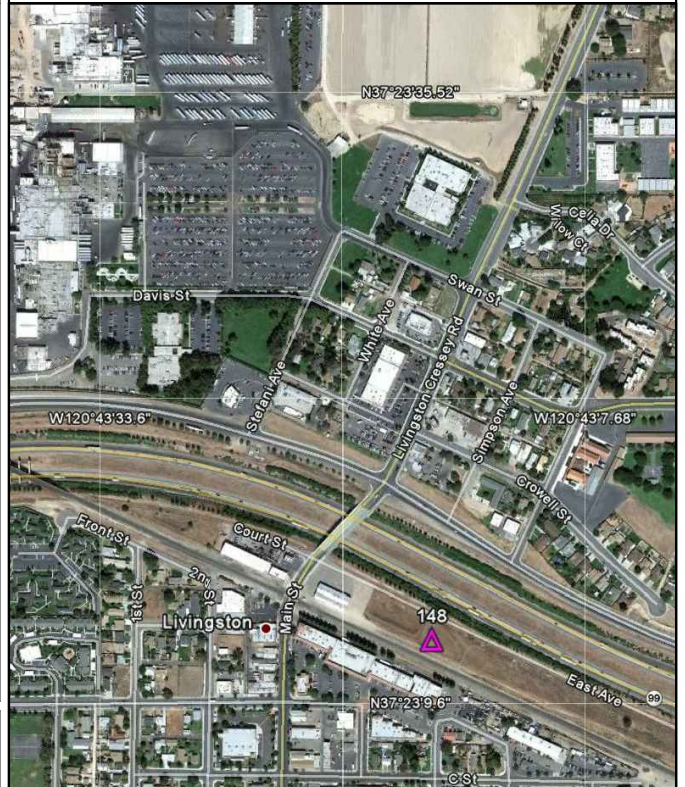
Entered By: W. Harrison  
 Checked By: G. Davis

Close Up View

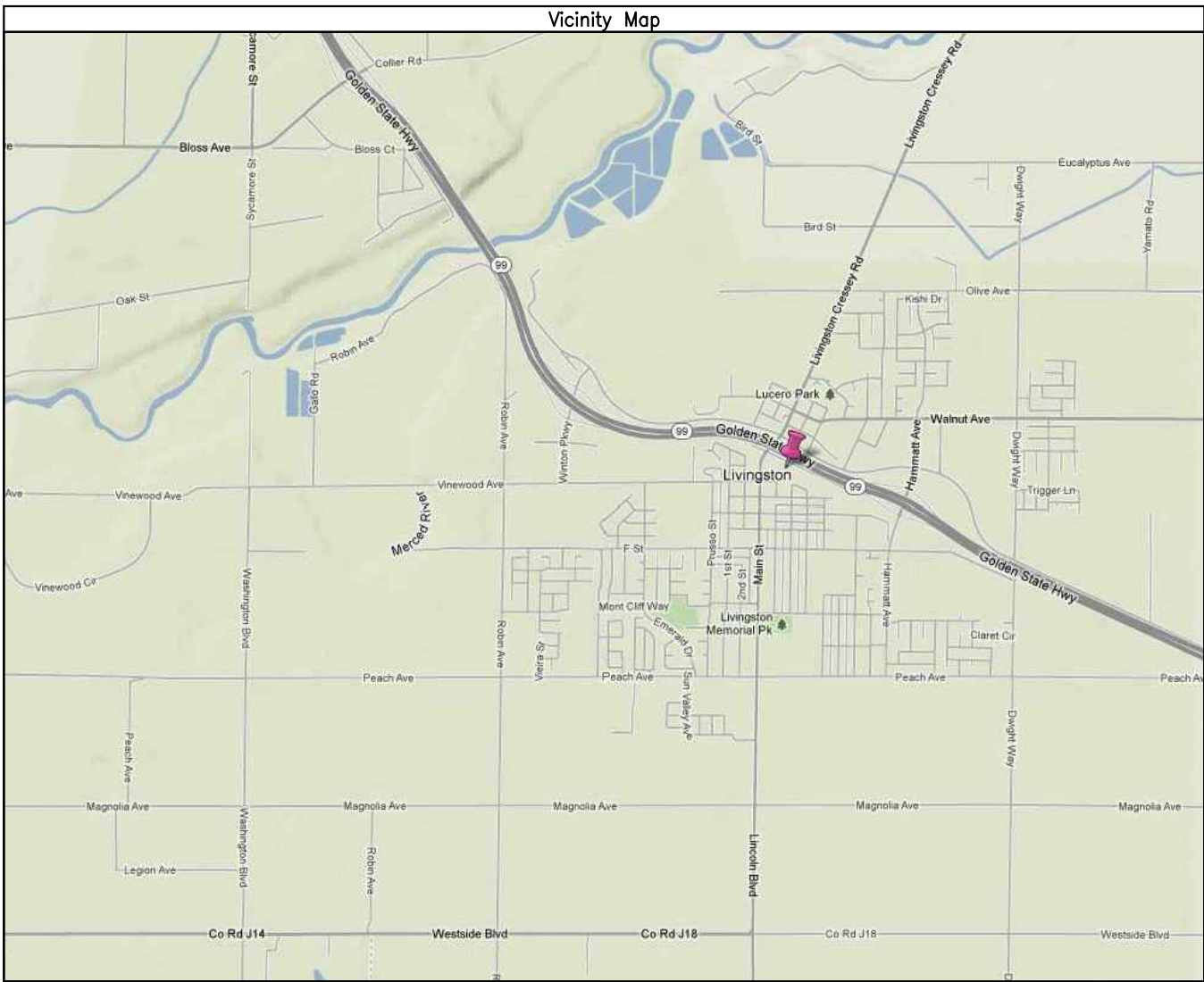
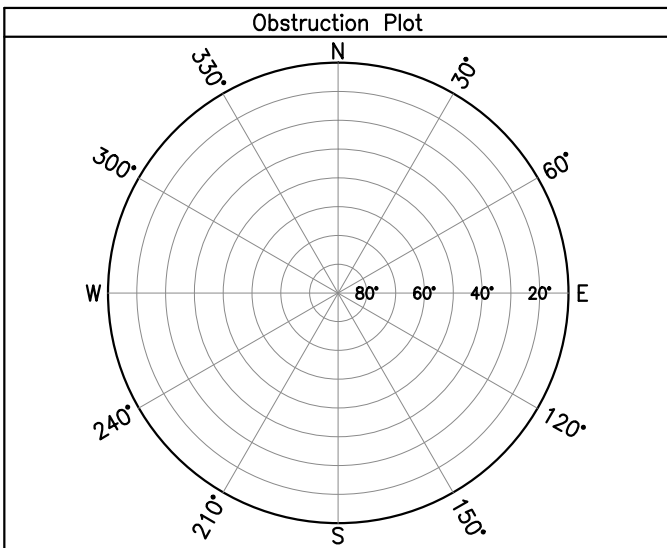
(148-Close.jpg)



Aerial View



#### SJRRP Geodetic Control Network





## SJRRP Geodetic Control Network

Date: 12/27/2011 Survey Date: 11/30/2011  
 City: Newman Rancho: Pescadero  
 County: Stanislaus  
 State: California Meridian: Mount Diablo

### Final Adjusted Coordinates

Datum: NAD83 (Stat. GPS) Epoch: 2007.00  
 Latitude (DMS): N 37° 20' 13.71506"  
 Longitude (DMS): W 121° 01' 42.47200"

Projection: State Plane Zone: California 4  
 Northing (Grid): 2376151.70 usft.  
 Easting (Grid): 5971948.29 usft.

Datum: NAVD88 (Stat. GPS) Geoid: 2003  
 Ortho Height: 97.26 usft.

### Survey Mark Description

3" USGS Brass Disk stamped "NEWMAN NW BASE, 1943", set in concrete block.

NGS PID: HS2391

### Go To Directions

Starting at the intersection of CA-33 and Merced St / Hills Ferry Rd in Newman, CA

1. Head northwest on CA-33 for 1.7 mi

\*Point will be to the east of CA-33 and east of a rail road track

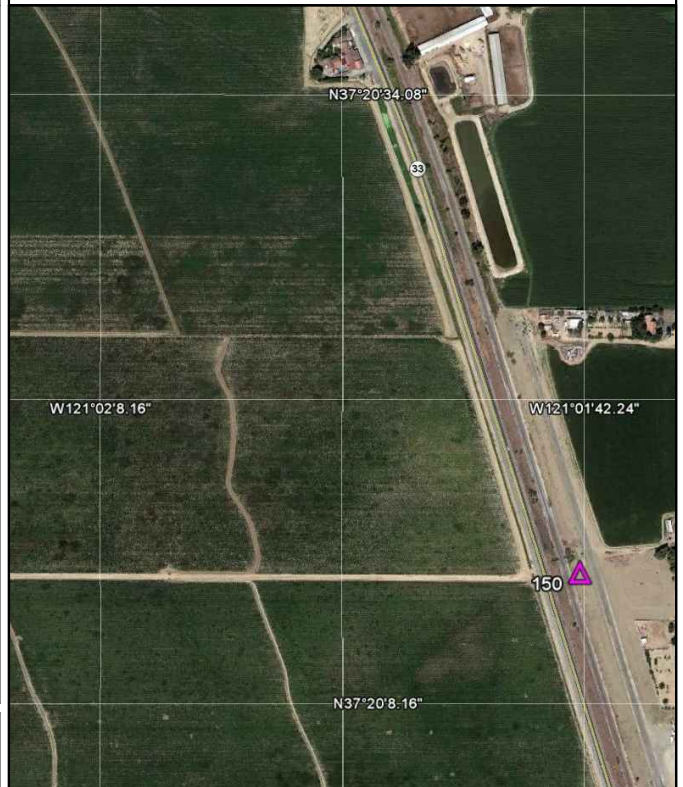
Entered By: W. Harrison  
 Checked By: G. Davis

Close Up View

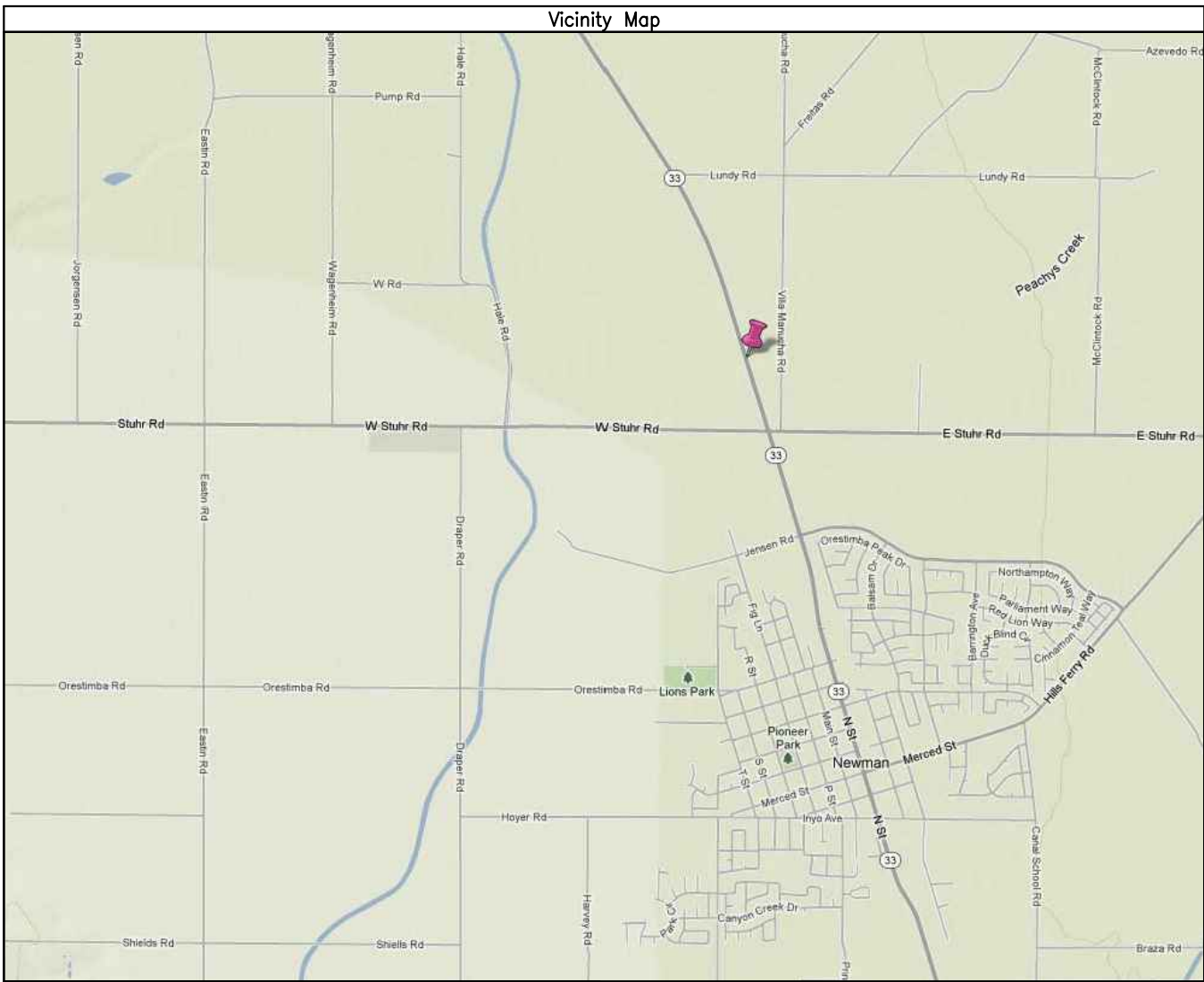
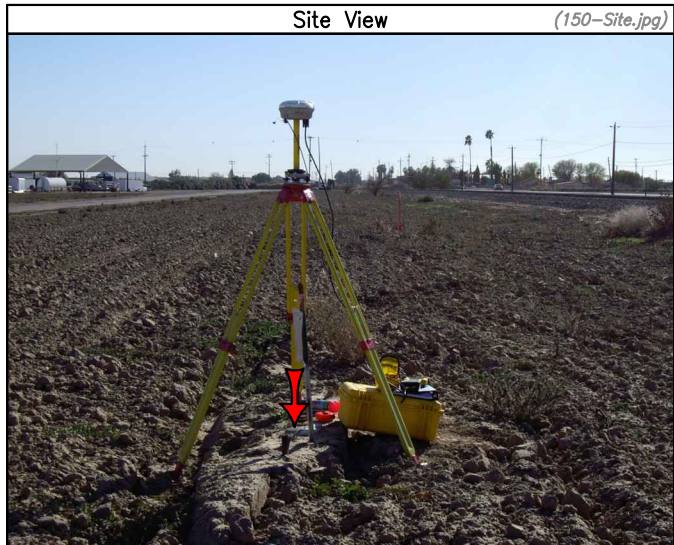
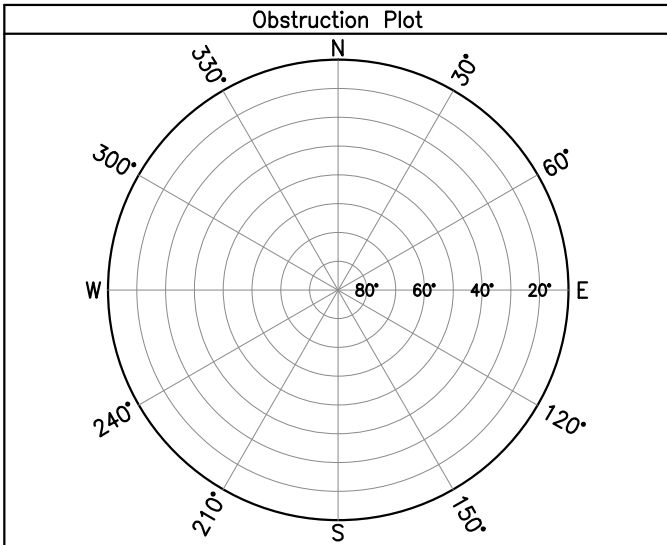
(150-Close.jpg)



Aerial View



## SJRRP Geodetic Control Network





**SJRRP Geodetic Control Network**

Date: 12/27/2011 Survey Date: 11/30/2011  
 City: Stevinson T: 8S R: 10E  
 County: Merced S: 35  
 State: California Meridian: Mount Diablo

Final Adjusted Coordinates

Datum: NAD83 (Stat. GPS) Epoch: 2007.00

Latitude (DMS): N 37° 11' 32.74794"

Longitude (DMS): W 120° 50' 23.17677"

Projection: State Plane Zone: California 4

Northing (Grid): 2322364.17 usft.

Easting (Grid): 6025789.06 usft.

Datum: NAVD88 (Stat. GPS) Geoid: 2003

Ortho Height: 84.68 usft.

Survey Mark Description

3" USGS Brass Disk stamped "SALT, NO.1, 1943", set in concrete block.

NGS PDI: HS1827

Go To Directions

Starting at the intersection of CA-140 and CA-165 south of Stevinson, CA

1. Head south on CA-165 for 8.5 mi
2. Turn right, head southwest on unnamed road for 60 ft

\*Point will be to the south of the unnamed road and east of a canal

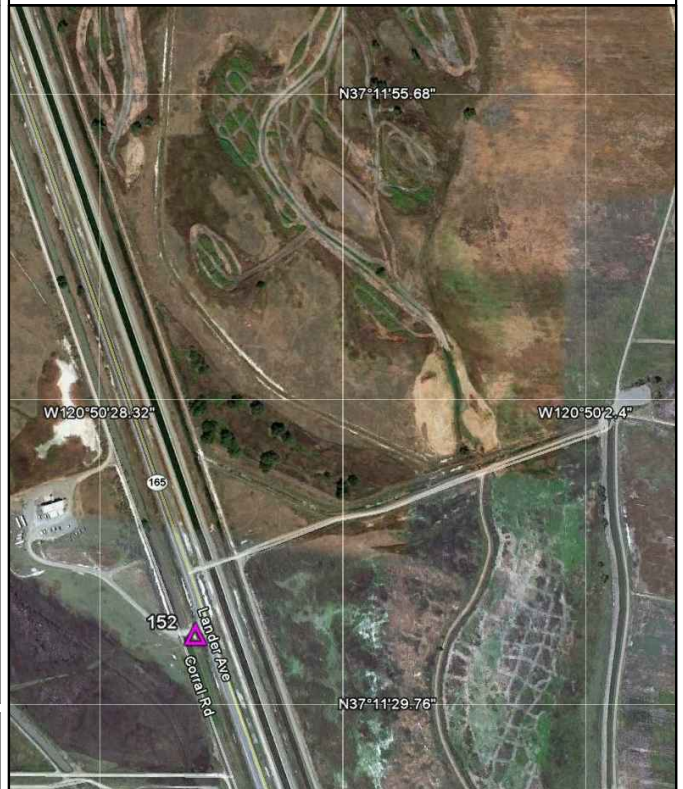
Entered By: W. Harrison  
 Checked By: G. Davis

Close Up View

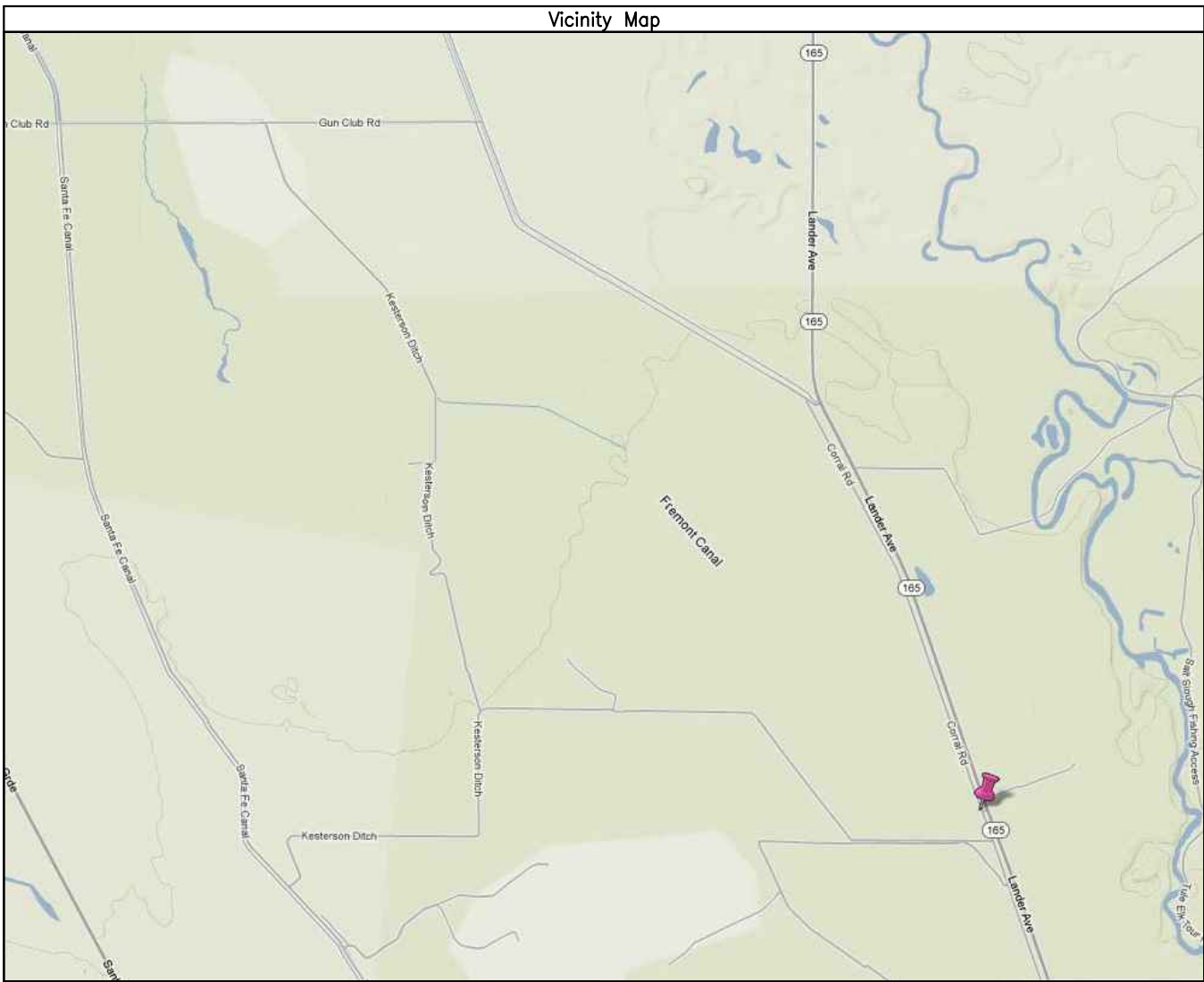
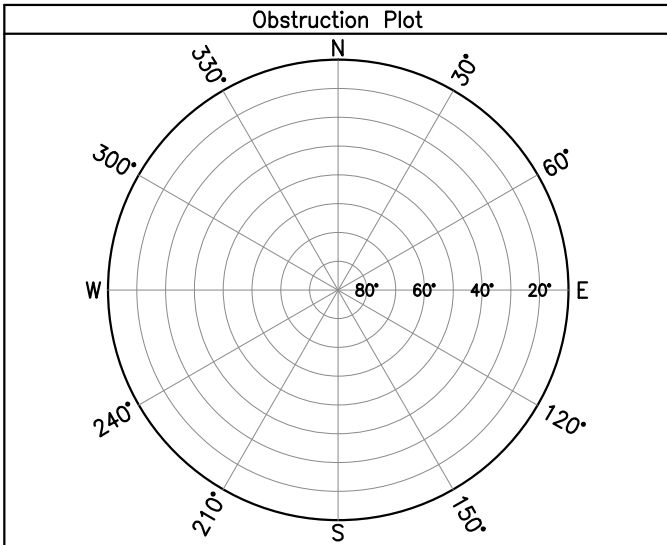
(152-Close.jpg)



Aerial View



## SJRRP Geodetic Control Network





**SJRRP Geodetic Control Network**

Date: 12/27/2011 Survey Date: 11/30/2011  
City: Firebaugh T: 13S R: 14E  
County: Fresno S: 10  
State: California Meridian: Mount Diablo

Final Adjusted Coordinates

Datum: NAD83 (Stat. GPS) Epoch: 2007.00

Latitude (DMS): N 36° 49' 03.21821"

Longitude (DMS): W 120° 26' 00.16372"

Projection: State Plane Zone: California 4

Northing (Grid): 2183877.34 usft.

Easting (Grid): 6142113.66 usft.

Datum: NAVD88 (Stat. GPS) Geoid: 2003

Ortho Height: 154.69 usft.

Survey Mark Description

2.5" CADT Aluminum Disk stamped "SHAWN, 2003", set on rod in well.

NGS PID: DH6679

Go To Directions

Starting at the intersection of CA-33 and 13th St in Firebaugh, CA

1. Head southeast on CA-33 for 3.0 mi

\*Point will be to the west of CA-33 and east of a rail road track

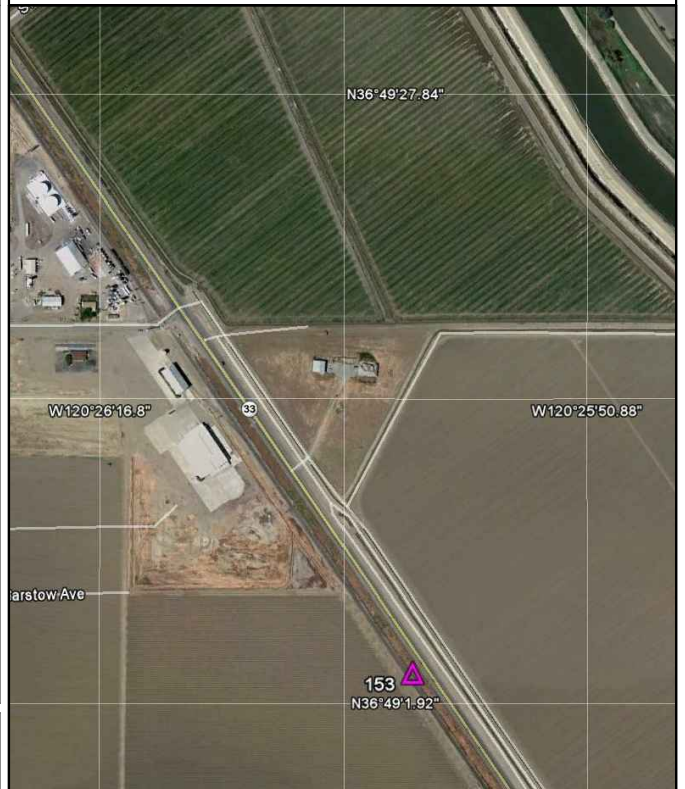
Entered By: W. Harrison  
Checked By: G. Davis

Close Up View

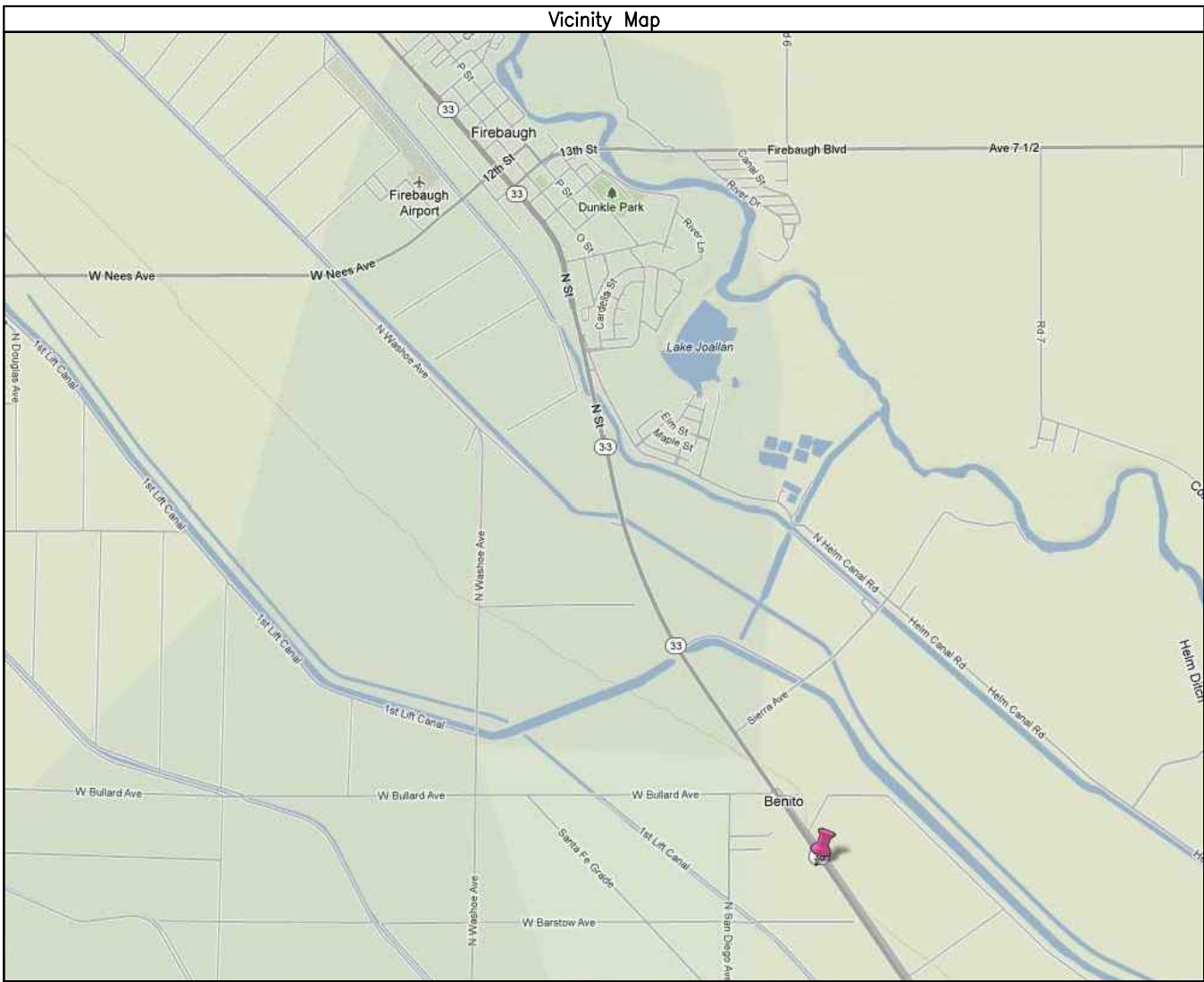
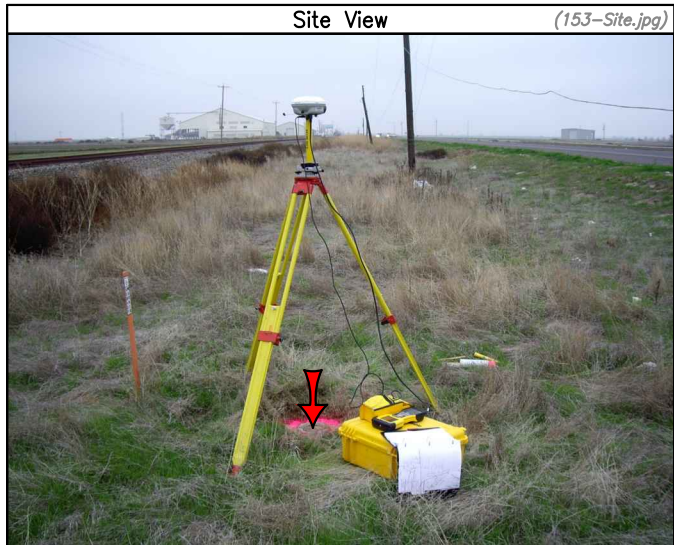
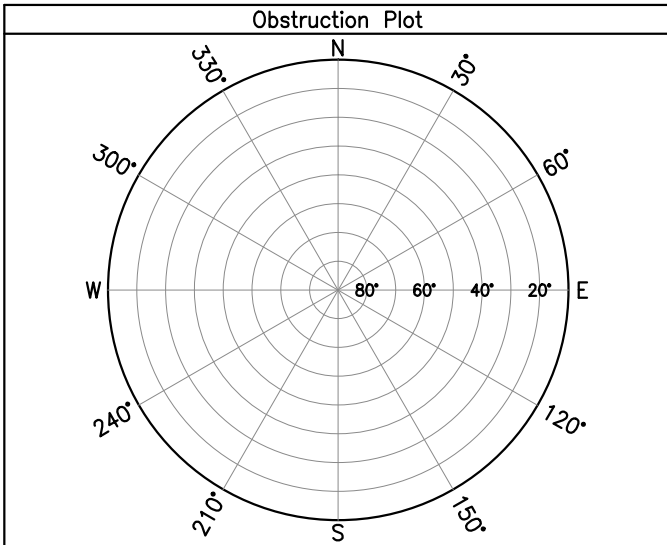
(153-Close.jpg)



Aerial View



### SJRRP Geodetic Control Network





## SJRRP Geodetic Control Network

Date: 12/27/2011 Survey Date: 11/30/2011  
City: Kerman T: 14S R: 18E  
County: Fresno S: 8  
State: California Meridian: Mount Diablo

### Final Adjusted Coordinates

Datum: NAD83 (Stat. GPS) Epoch: 2007.00  
Latitude (DMS): N 36° 43' 33.85616"  
Longitude (DMS): W 120° 01' 28.81284"

Projection: State Plane Zone: California 4  
Northing (Grid): 2149040.21 usft.  
Easting (Grid): 6261382.71 usft.

Datum: NAVD88 (Stat. GPS) Geoid: 2003  
Ortho Height: 229.94 usft.

### Survey Mark Description

3" CADH Brass Disk stamped "SPEAK 1972, AZIMUTH MARK", set in concrete structure.

NGS PID: GU3389

### Go To Directions

Starting at the intersection of CA-145 and CA-180 in Kerman, CA

1. Head south on CA-145 for 0.5 mi
2. Turn left, head east on W Kearney Blvd for 2.0 mi
3. Turn right, head south on S Howard Ave for 0.1 mi

\*Point will be to the west of S Howard Ave and north of a rail road track

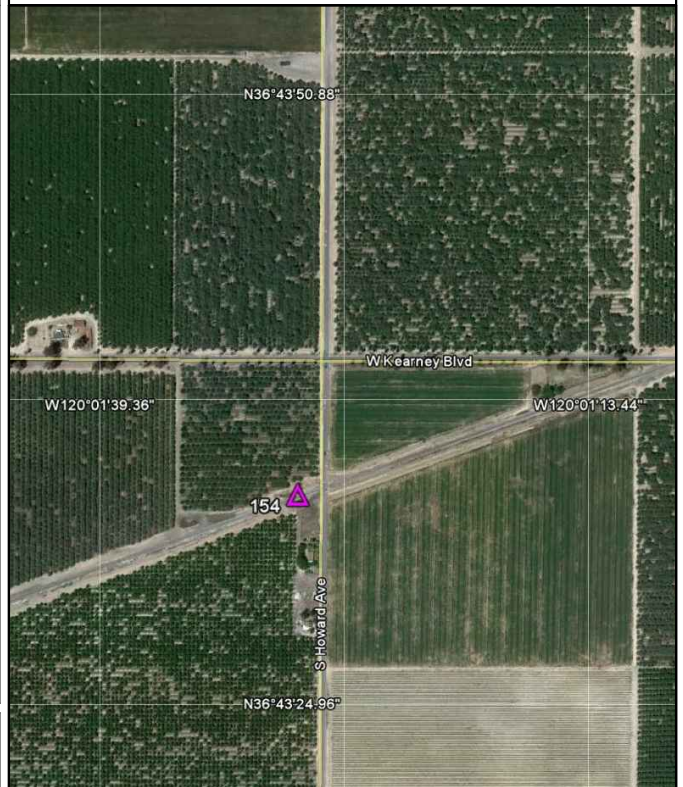
Entered By: W. Harrison  
Checked By: G. Davis

Close Up View

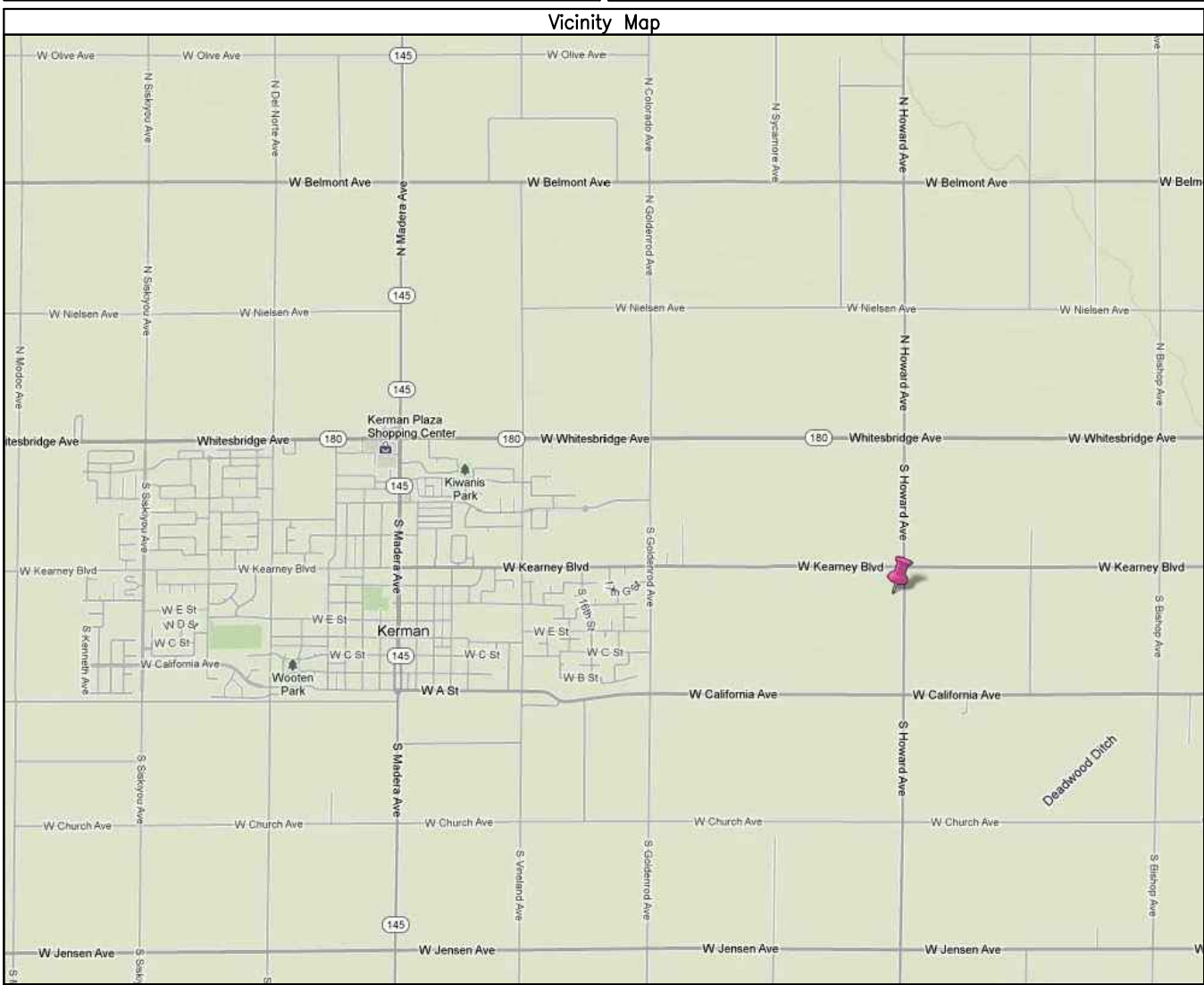
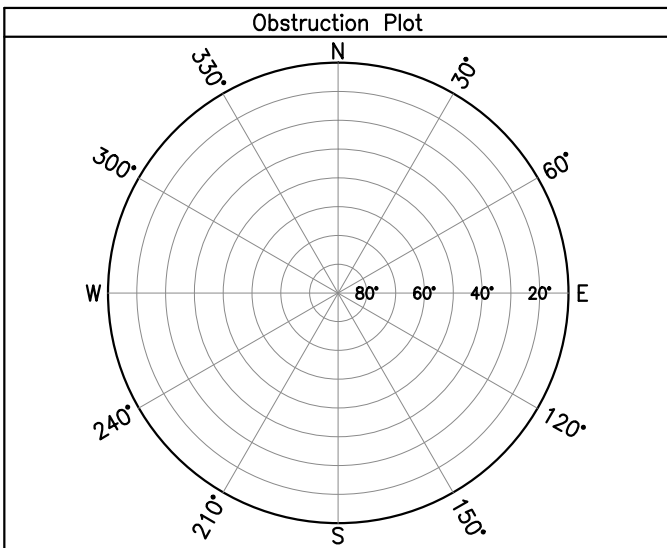
(154-Close.jpg)



Aerial View



## SJRRP Geodetic Control Network





## SJRRP Geodetic Control Network

Date: 12/27/2011 Survey Date: 11/30/2011  
 City: El Nido T: 8S R: 12E  
 County: Merced S: 33  
 State: California Meridian: Mount Diablo

### Final Adjusted Coordinates

Datum: NAD83 (Stat. GPS) Epoch: 2007.00  
 Latitude (DMS): N 37° 11' 10.01332"  
 Longitude (DMS): W 120° 39' 31.35514"

Projection: State Plane Zone: California 4  
 Northing (Grid): 2319104.54 usft.  
 Easting (Grid): 6078482.35 usft.

Datum: NAVD88 (Stat. GPS) Geoid: 2003  
 Ortho Height: 110.75 usft.

### Survey Mark Description

3" CADWR Brass Disk stamped "9770-172, T 987", set in concrete structure.

NGS PID: HS1894

### Go To Directions

Starting at the intersection of CA-59 and Sandy Mush Rd north of El Nido, CA

1. Head west on W Sandy Mush Rd for 9.4 mi

\*Point will be to the south of W Sandy Mush Rd on the east end of a bridge

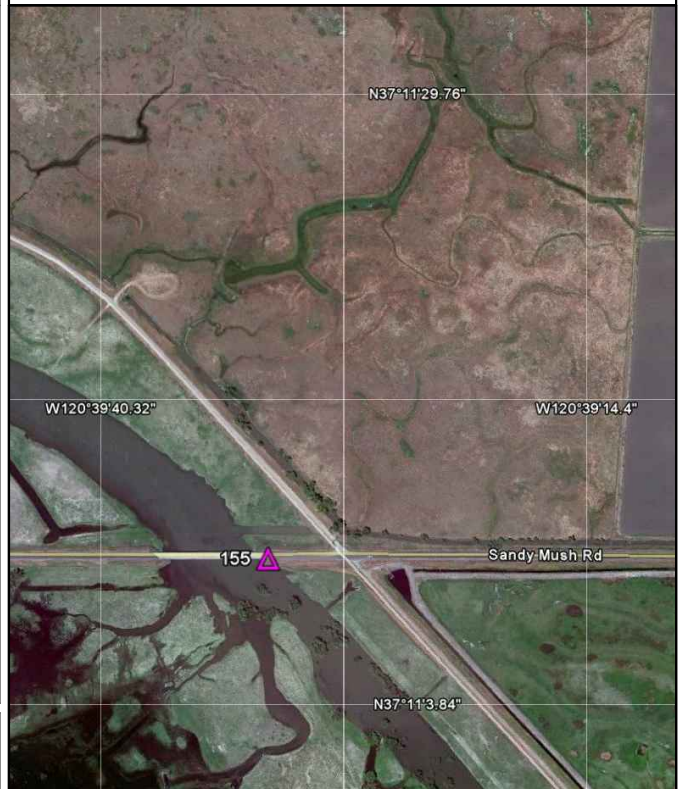
Entered By: W. Harrison  
 Checked By: G. Davis

Close Up View

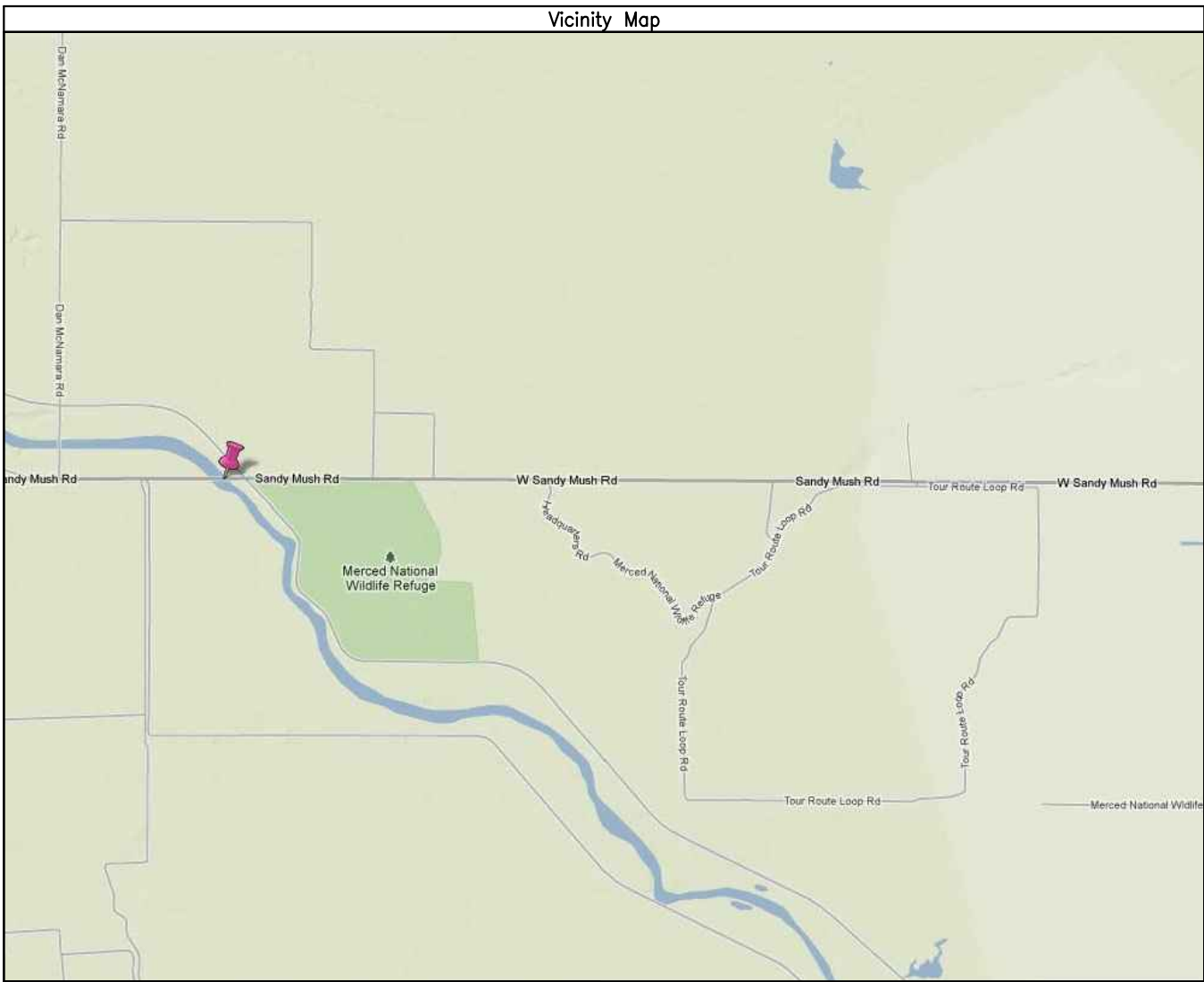
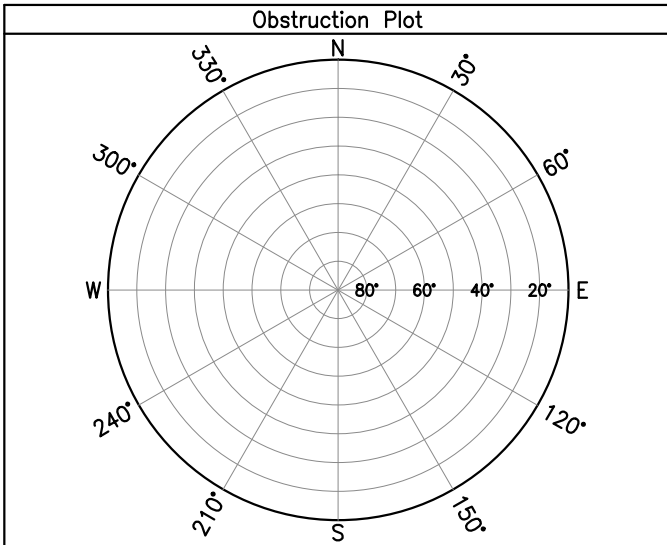
(155-Close.jpg)



Aerial View



### SJRRP Geodetic Control Network





## SJRRP Geodetic Control Network

Date: 12/27/2011 Survey Date: 11/30/2011  
 City: El Nido T: 9S R: 13E  
 County: Merced S: 30  
 State: California Meridian: Mount Diablo

### Final Adjusted Coordinates

Datum: NAD83 (Stat. GPS) Epoch: 2007.00  
 Latitude (DMS): N 37° 06' 48.29962"  
 Longitude (DMS): W 120° 35' 17.93684"

Projection: State Plane Zone: California 4  
 Northing (Grid): 2292291.93 usft.  
 Easting (Grid): 6098548.56 usft.

Datum: NAVD88 (Stat. GPS) Geoid: 2003  
 Ortho Height: 113.56 usft.

### Survey Mark Description

3" CADWR Brass Disk stamped "9770-189, W 990", set in concrete structure.

NGS PID: HS1953

### Go To Directions

Starting at the intersection of CA-59 and CA-152 south of El Nido, CA

1. Head north on CA-59 for 2.0 mi
2. Turn left, head west on W Washington Rd for 5.3 mi

\*Point will be to the south of W Washington Rd on the west end of a bridge

Entered By: W. Harrison  
 Checked By: G. Davis

Close Up View

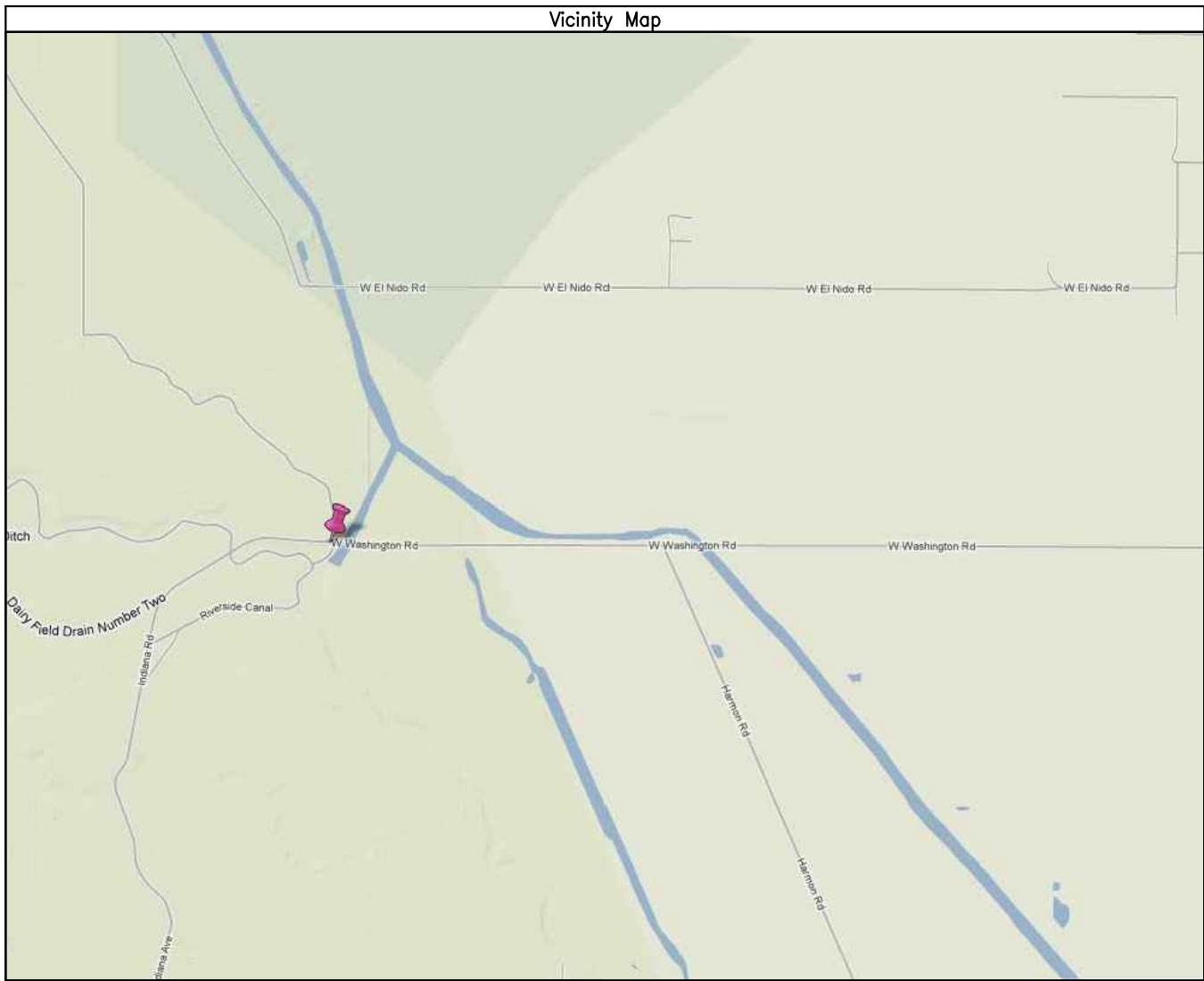
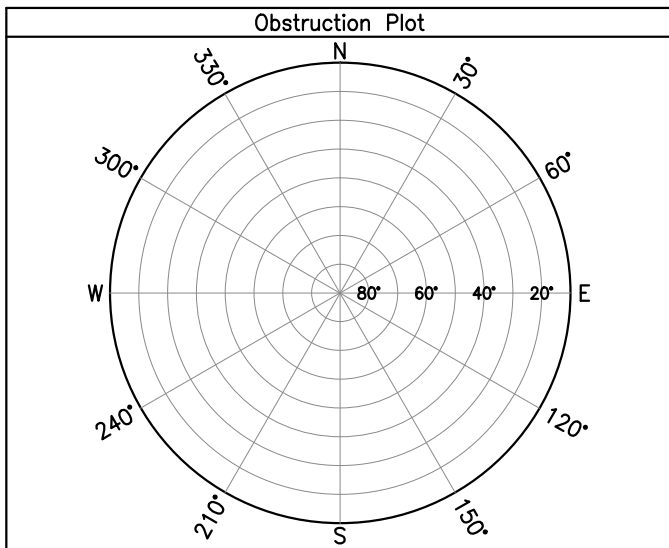
(156-Close.jpg)



Aerial View



### SJRRP Geodetic Control Network





## SJRRP Geodetic Control Network

Date: 12/27/2011 Survey Date: 11/30/2011  
 City: Los Banos Rancho: Sanjon de Santa  
 County: Merced Rita  
 State: California Meridian: Mount Diablo

### Final Adjusted Coordinates

Datum: NAD83 (Stat. GPS) Epoch: 2007.00

Latitude (DMS): N 37° 02' 01.05436"

Longitude (DMS): W 120° 34' 20.07415"

Projection: State Plane Zone: California 4

Northing (Grid): 2263167.59 usft.

Easting (Grid): 6102759.09 usft.

Datum: NAVD88 (Stat. GPS) Geoid: 2003

Ortho Height: 114.88 usft.

### Survey Mark Description

2.5" CADT Aluminum Disk stamped "WILLIAM 3,  
 2003", set on rod in well.

NGS PID: DH6673

### Go To Directions

Starting at the CA-33 / CA-152 split east of  
 Los Banos, CA

1. Head east on CA-152 for 2.3 mi
2. Turn right, head south on Indian Rd for 0.6 mi
3. Turn left, head east on W Denton / Lake Rd for 0.8 mi
4. Turn right, head southeast on Batten Rd for 0.7 mi

\*Point will be to the east of Batten Rd

Entered By: W. Harrison  
 Checked By: G. Davis

Close Up View

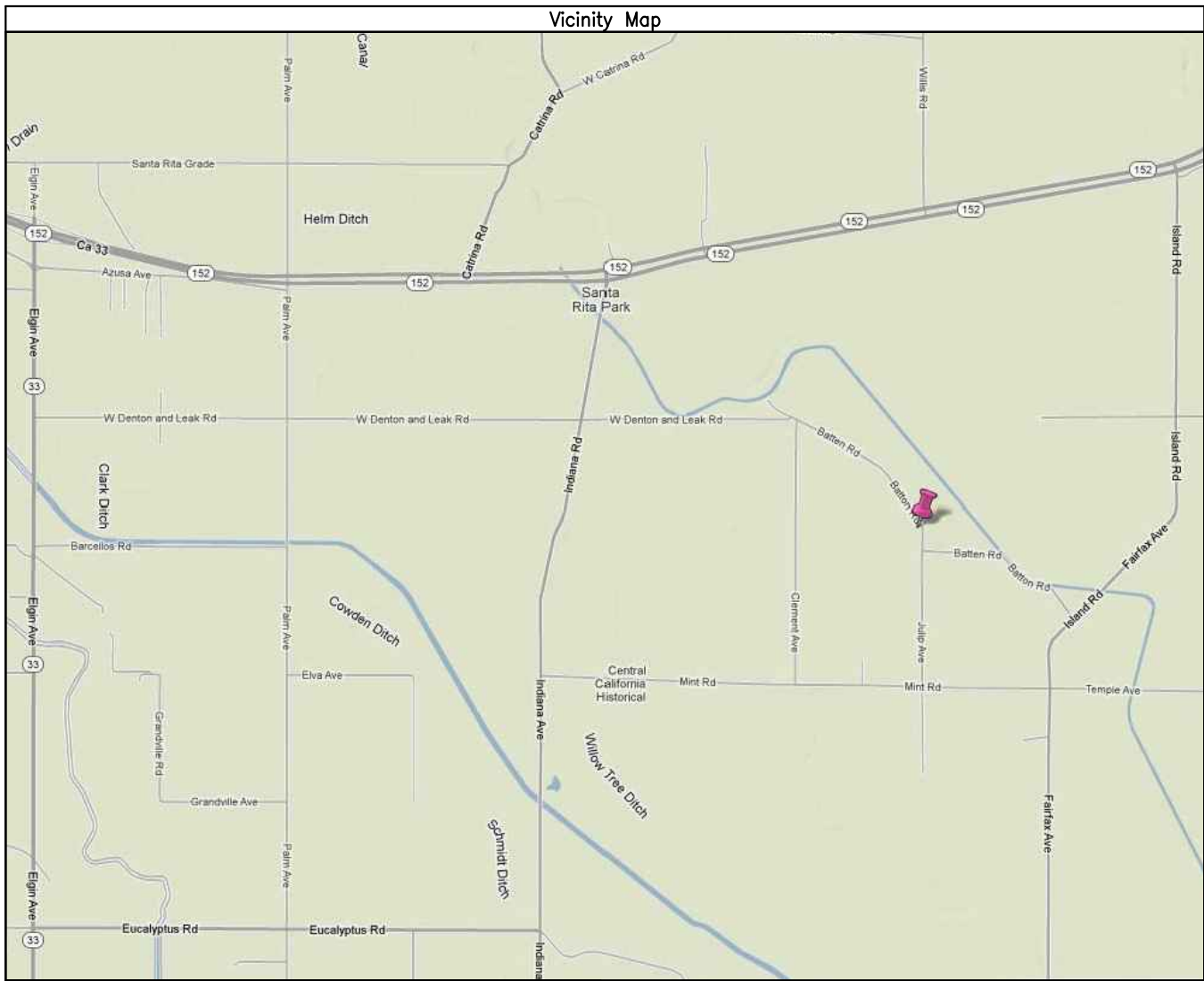
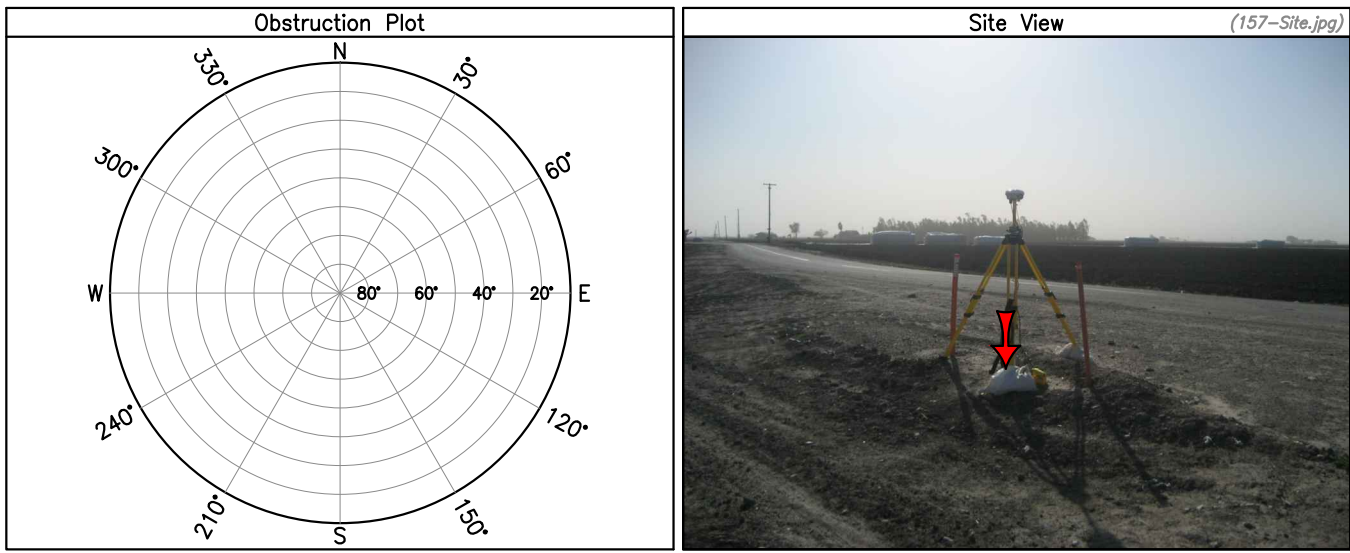
(157-Close.jpg)



Aerial View



### SJRRP Geodetic Control Network





## SJRRP Geodetic Control Network

Date: 12/27/2011 Survey Date: 11/30/2011  
 City: Firebaugh T: 12S R: 14E  
 County: Madera S: 25  
 State: California Meridian: Mount Diablo

### Final Adjusted Coordinates

Datum: NAD83 (Stat. GPS) Epoch: 2007.00

Latitude (DMS): N 36° 51' 27.75766"

Longitude (DMS): W 120° 23' 27.10634"

Projection: State Plane Zone: California 4

Northing (Grid): 2198310.18 usft.

Easting (Grid): 6154768.96 usft.

Datum: NAVD88 (Stat. GPS) Geoid: 2003

Ortho Height: 150.68 usft.

### Survey Mark Description

MAG Nail and Washer stamped "RBF CONTROL", set in roadway.

### Go To Directions

Starting at the intersection of CA-33 and 13th St in Firebaugh, CA

1. Head northeast on 13th St for 3.6 mi
2. Turn right, head south on Rd 8 1/2 for 320 ft

\*Point will be on the west side of Rd 8 1/2

Close Up View

(158-Close.jpg)

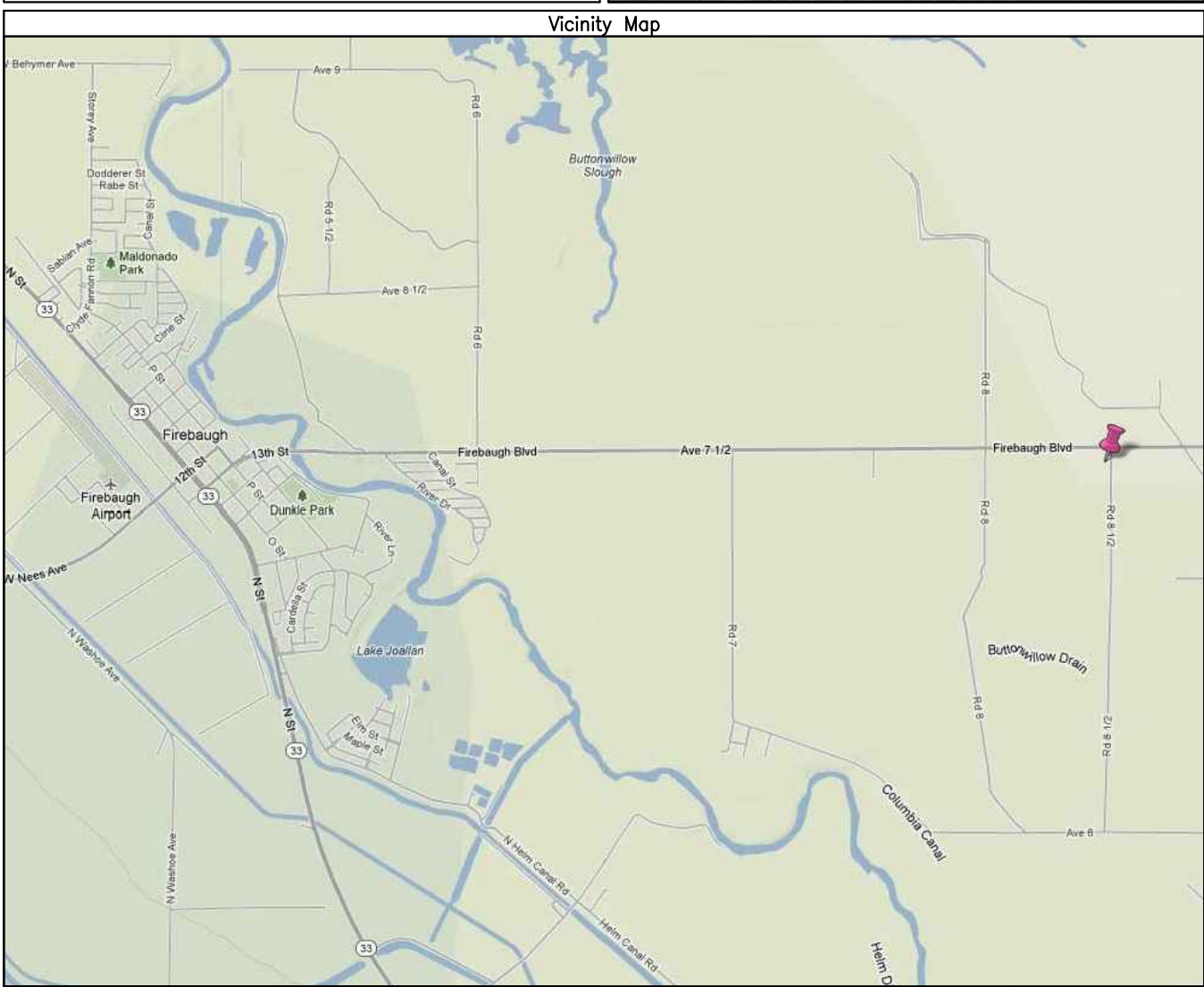
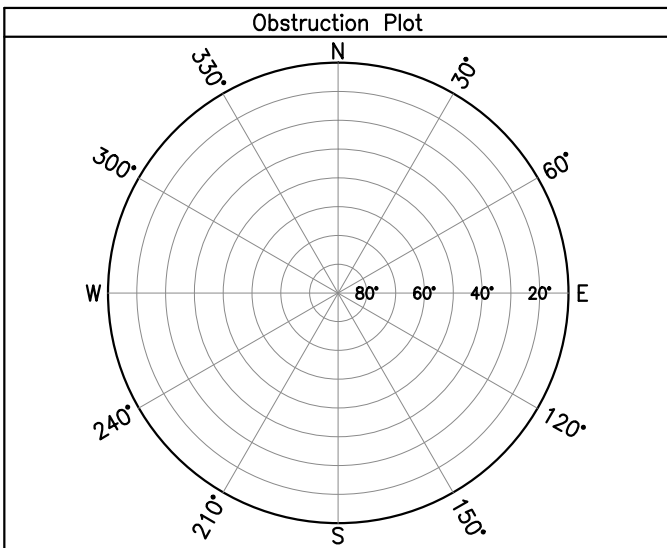


Aerial View



Entered By: W. Harrison  
 Checked By: G. Davis

### SJRRP Geodetic Control Network





## SJRRP Geodetic Control Network

Date: 12/27/2011 Survey Date: 11/30/2011  
 City: Firebaugh T: 13S R: 15E  
 County: Madera S: 6  
 State: California Meridian: Mount Diablo

### Final Adjusted Coordinates

Datum: NAD83 (Stat. GPS) Epoch: 2007.00  
 Latitude (DMS): N 36° 49' 29.61659"  
 Longitude (DMS): W 120° 22' 22.16842"

Projection: State Plane Zone: California 4  
 Northing (Grid): 2186287.79 usft.  
 Easting (Grid): 6159874.94 usft.

Datum: NAVD88 (Stat. GPS) Geoid: 2003  
 Ortho Height: 151.74 usft.

### Survey Mark Description

MAG Nail and Washer stamped "RBF CONTROL",  
 set in roadway.

### Go To Directions

Starting at the intersection of CA-33 and 13th St in Firebaugh, CA

1. Head northeast on 13th St for 3.6 mi
2. Turn right, head south on Rd 8 1/2 for 1.5 mi
3. Turn left, head east on Ave 6 for 0.4 mi
4. Turn right, head southeast on Eastside Dr for 1.0 mi

\*Point will be on the west side of Eastside Dr

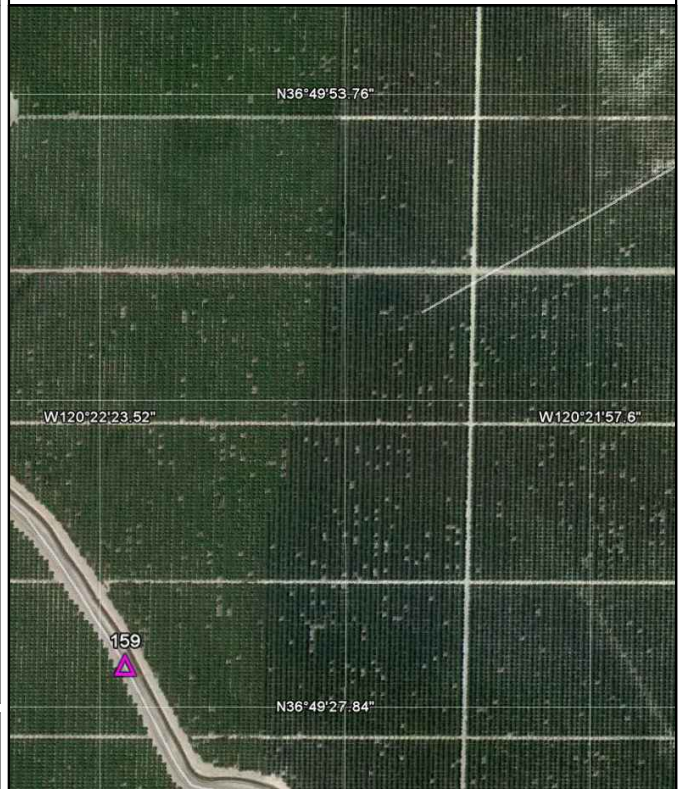
Entered By: W. Harrison  
 Checked By: G. Davis

Close Up View

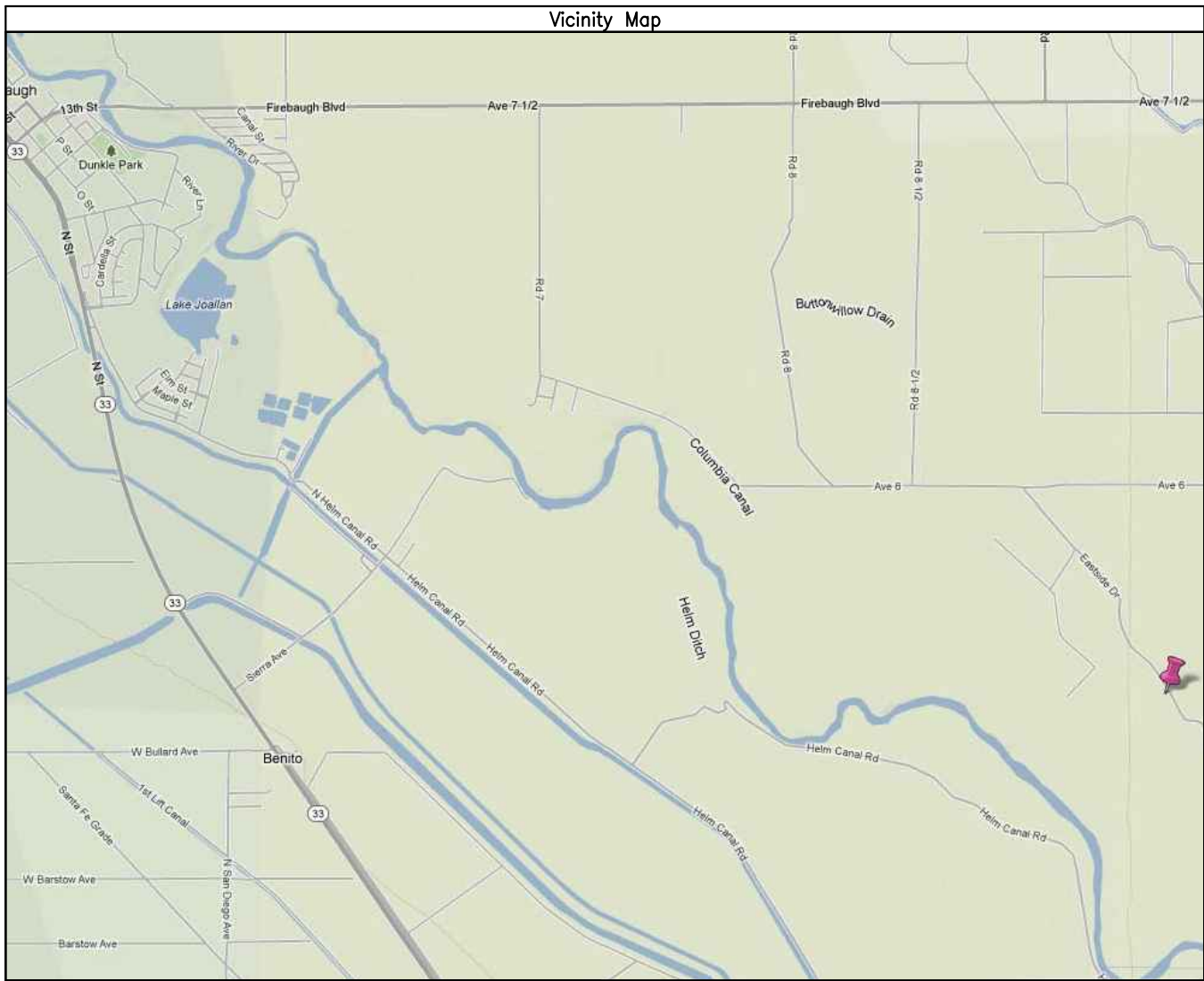
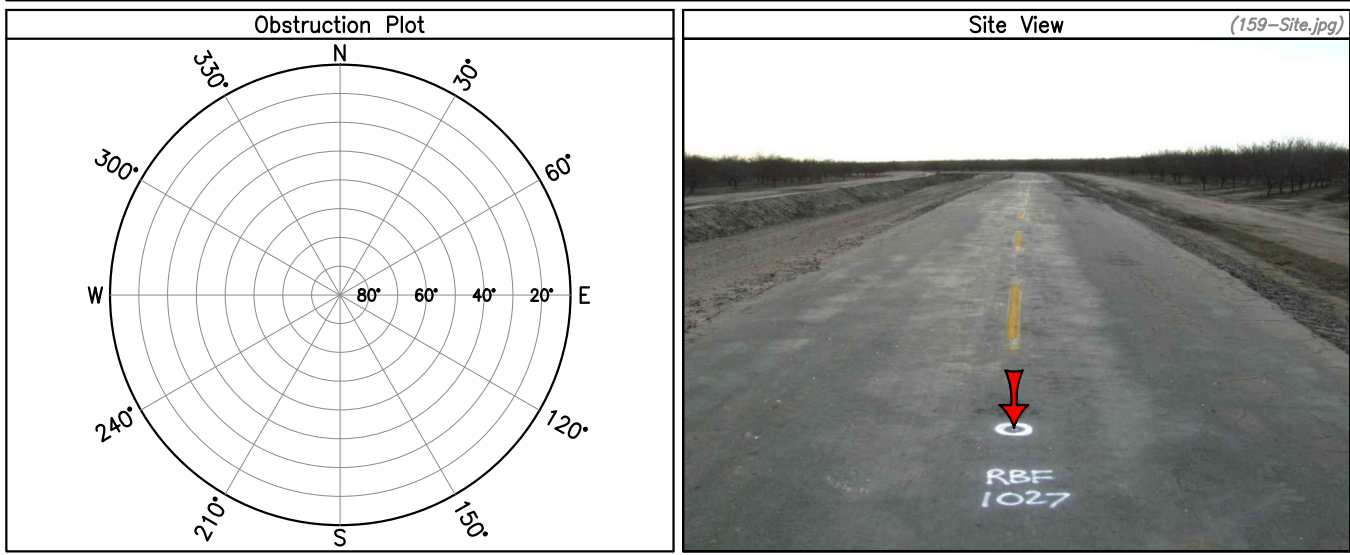
(159-Close.jpg)



Aerial View



### SJRRP Geodetic Control Network





## SJRRP Geodetic Control Network

Date: 12/27/2011 Survey Date: 11/30/2011  
 City: Herndon T: 13S R: 17E  
 County: Madera S: 5  
 State: California Meridian: Mount Diablo

### Final Adjusted Coordinates

Datum: NAD83 (Stat. GPS) Epoch: 2007.00  
 Latitude (DMS): N 36° 49' 19.99957"  
 Longitude (DMS): W 120° 08' 38.74865"

Projection: State Plane Zone: California 4  
 Northing (Grid): 2184438.09 usft.  
 Easting (Grid): 6226802.81 usft.

Datum: NAVD88 (Stat. GPS) Geoid: 2003  
 Ortho Height: 214.36 usft.

### Survey Mark Description

MAG Nail and Washer stamped "RBF CONTROL", set in roadway.

### Go To Directions

Starting at the intersection of CA-99 and Ave 7 north of Herndon, CA

1. Head west on Ave 7 for 6.0 mi
2. Turn left, head south on CA-145 for 1.5 mi
3. Turn right, head west on Ave 5 1/2 for 2.2 mi
4. Turn left, head south on Rd 25 for 0.5 mi
5. Turn right, head west on Ave 5 for 2.6 mi

\*Point will be in the center of Ave 5

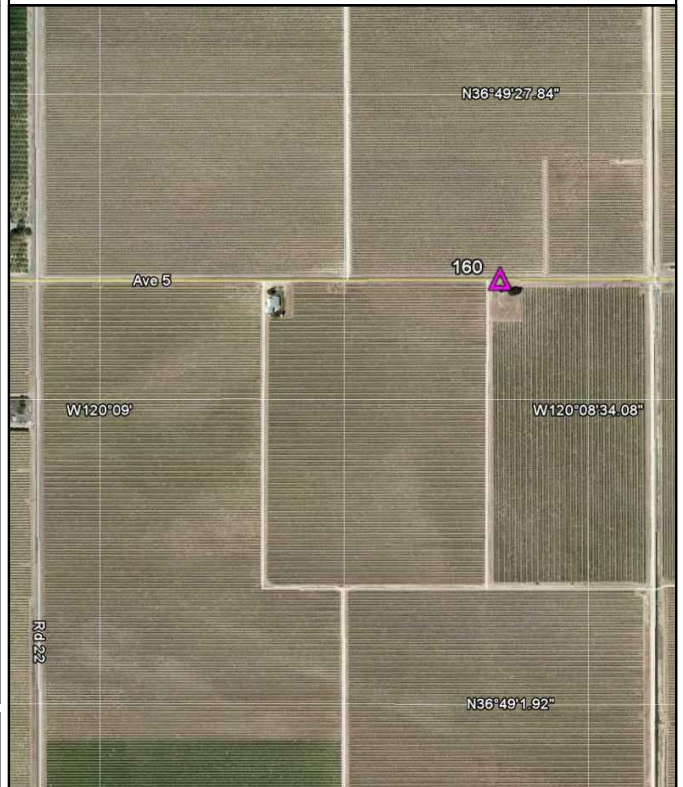
Entered By: W. Harrison  
 Checked By: G. Davis

Close Up View

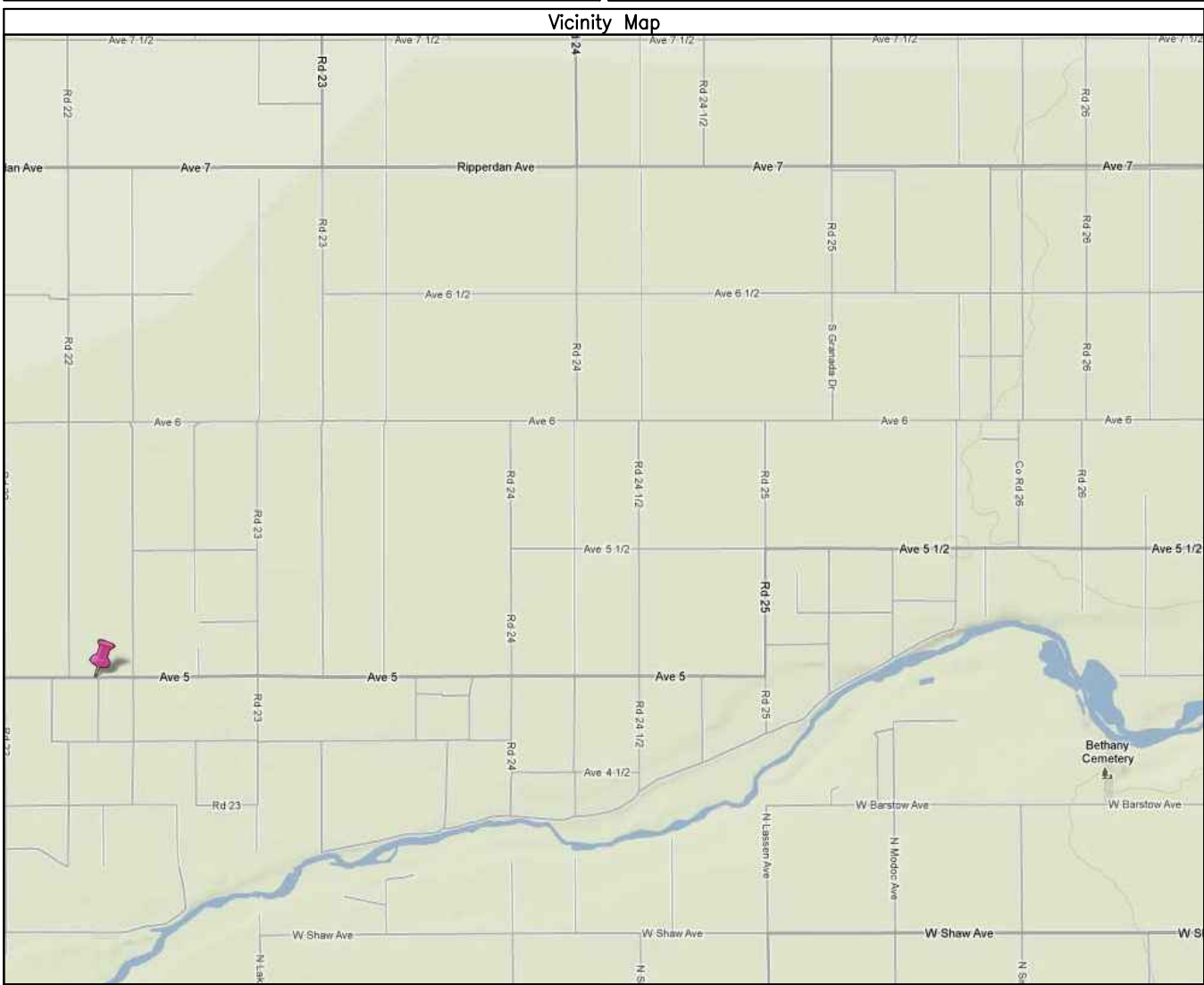
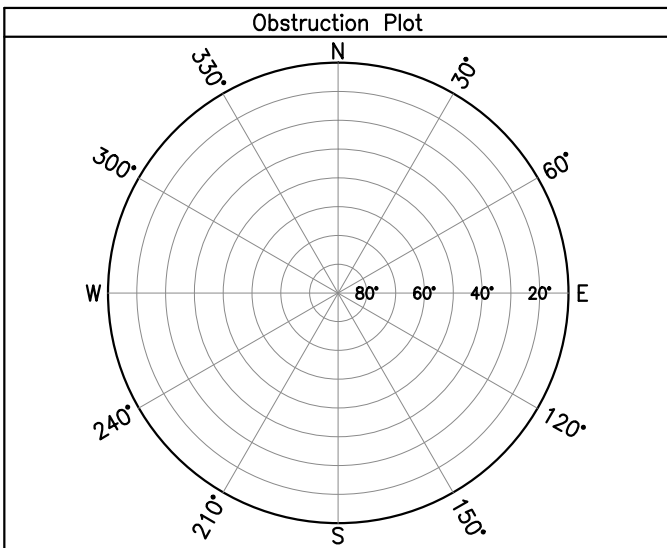
(160-Close.jpg)



Aerial View



#### SJRRP Geodetic Control Network





## SJRRP Geodetic Control Network

Date: 12/27/2011 Survey Date: 11/30/2011  
 City: El Nido T: 10S R: 13E  
 County: Merced S: 1  
 State: California Meridian: Mount Diablo

### Final Adjusted Coordinates

Datum: NAD83 (Stat. GPS) Epoch: 2007.00  
 Latitude (DMS): N 37° 05' 31.70859"  
 Longitude (DMS): W 120° 30' 36.84672"

Projection: State Plane Zone: California 4  
 Northing (Grid): 2284179.37 usft.  
 Easting (Grid): 6121191.41 usft.

Datum: NAVD88 (Stat. GPS) Geoid: 2003  
 Ortho Height: 121.97 usft.

### Survey Mark Description

MAG Nail and Washer stamped "RBF CONTROL",  
 set in roadway.

### Go To Directions

Starting at the intersection of CA-59 and  
 CA-152 south of El Nido, CA

1. Head southwest on CA-152 for 1.1 mi
2. Turn right, head north on Coyote Rd for 1.1 mi

\*Point will be in the center of Coyote Rd

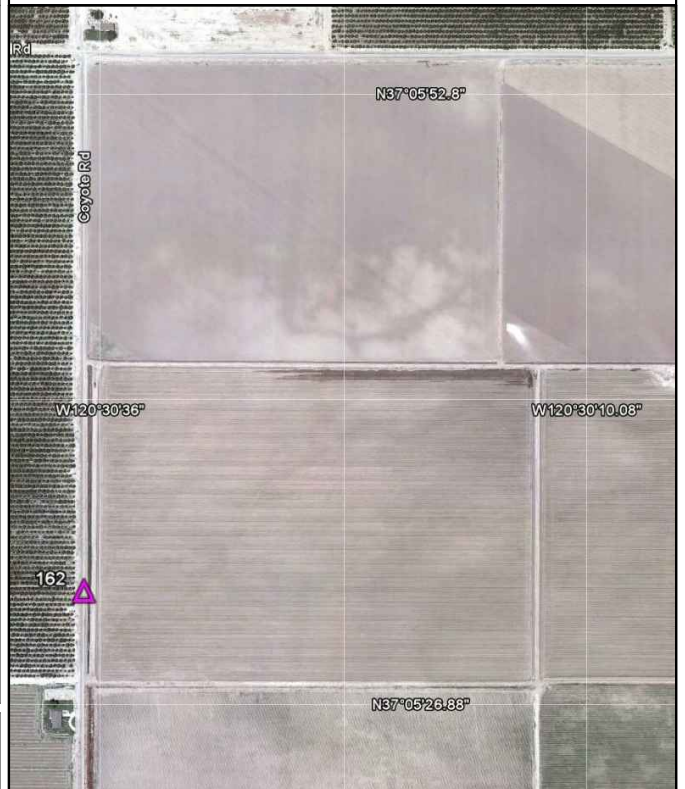
Entered By: W. Harrison  
 Checked By: G. Davis

Close Up View

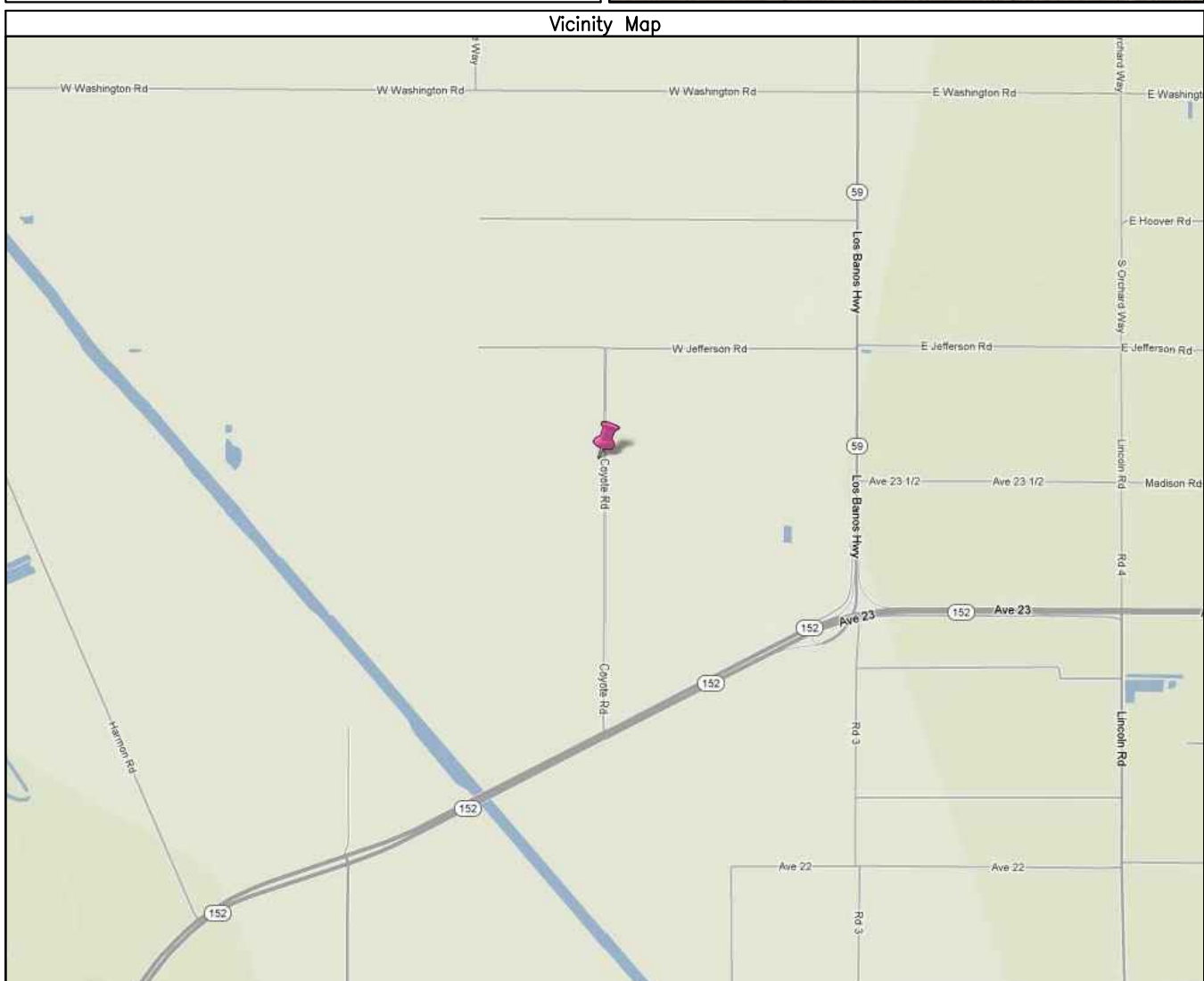
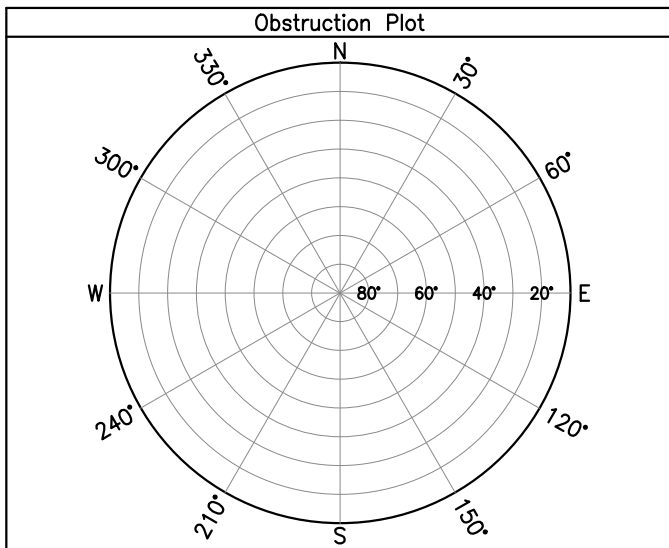
(162-Close.jpg)



Aerial View



### SJRRP Geodetic Control Network





## SJRRP Geodetic Control Network

Date: 12/27/2011 Survey Date: 11/30/2011  
 City: Kerman T: 13S R: 18E  
 County: Fresno S: 18  
 State: California Meridian: Mount Diablo

### Final Adjusted Coordinates

Datum: NAD83 (Stat. GPS) Epoch: 2007.00  
 Latitude (DMS): N 36° 48' 25.22359"  
 Longitude (DMS): W 120° 02' 33.95813"

Projection: State Plane Zone: California 4  
 Northing (Grid): 2178561.25 usft.  
 Easting (Grid): 6256399.76 usft.

Datum: NAVD88 (Stat. GPS) Geoid: 2003  
 Ortho Height: 249.67 usft.

### Survey Mark Description

MAG Nail and Washer stamped "RBF CONTROL",  
 set in roadway.

Close Up View

(163-Close.jpg)



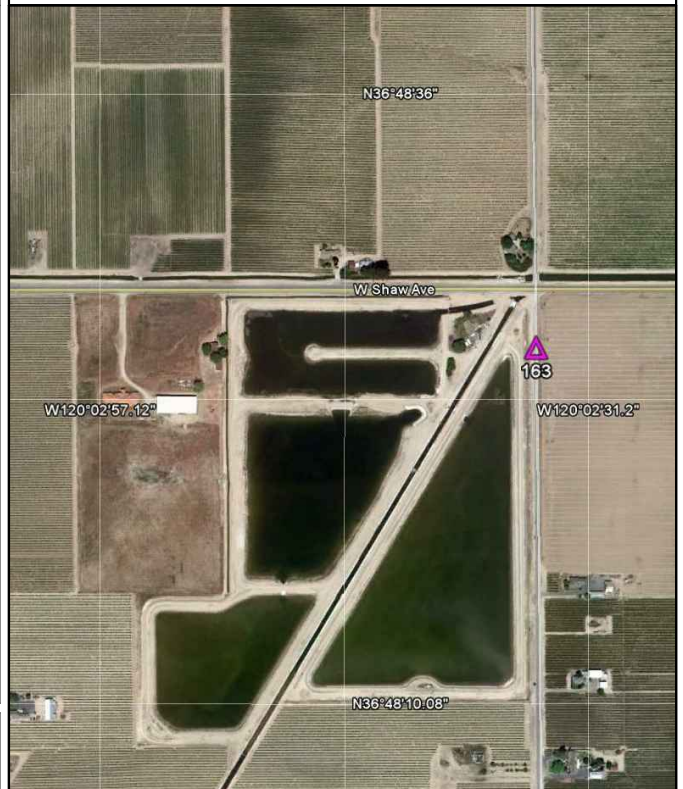
### Go To Directions

Starting at the intersection of CA-145 and  
 CA-180 in Kerman, CA

1. Head north on CA-145 for 5.0 mi
2. Turn right, head east on W Shaw Ave for 1.0 mi
3. Turn right, head south on N Goldenrod Ave for 250 ft

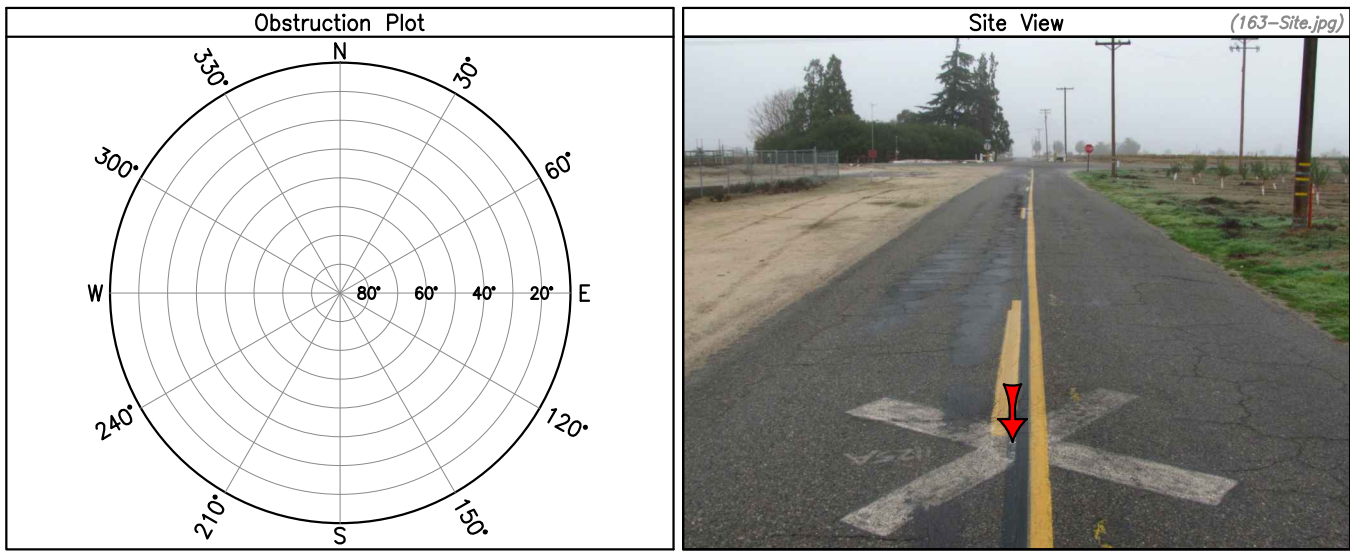
\*Point will be in the center of N Goldenrod Ave

Aerial View



Entered By: W. Harrison  
 Checked By: G. Davis

#### SJRRP Geodetic Control Network





## SJRRP Geodetic Control Network

Date: 12/27/2011 Survey Date: 11/30/2011  
 City: Rolling Hills T: 12S R: 20E  
 County: Madera S: 9  
 State: California Meridian: Mount Diablo

### Final Adjusted Coordinates

Datum: NAD83 (Stat. GPS) Epoch: 2007.00  
 Latitude (DMS): N 36° 53' 50.95200"  
 Longitude (DMS): W 119° 47' 25.89286"

Projection: State Plane Zone: California 4  
 Northing (Grid): 2210796.56 usft.  
 Easting (Grid): 6330511.64 usft.

Datum: NAVD88 (Stat. GPS) Geoid: 2003  
 Ortho Height: 372.88 usft.

### Survey Mark Description

2" CADWR Brass Disk stamped "HELMER, 2008", set in concrete structure.

### Go To Directions

Starting at the intersection of CA-41 and Ave 12 north of Rolling Hills, CA

1. Head south on CA-41 for 1.8 mi
2. Turn right, head southwest on Exit 138 for 0.4 mi
3. Turn left, head northeast on California 41 Business for 0.4 mi

\*Point will be on the north in northeast corner of paved turn around area

Entered By: W. Harrison  
 Checked By: G. Davis

Close Up View

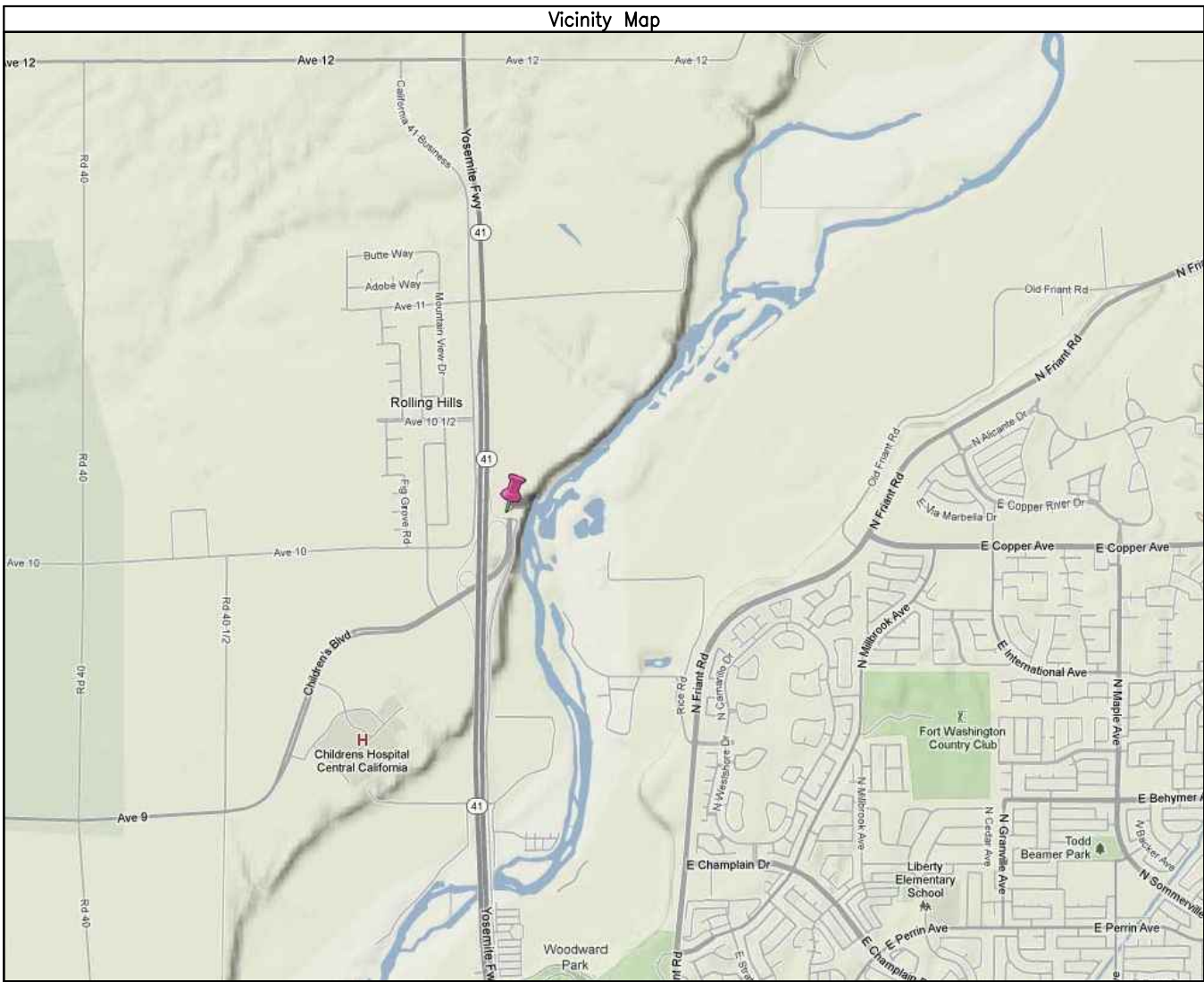
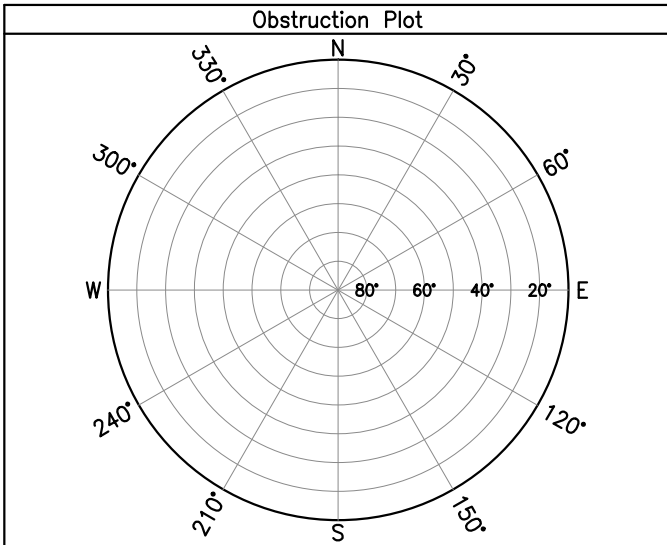
(165-Close.jpg)



Aerial View



### SJRRP Geodetic Control Network





## SJRRP Geodetic Control Network

Date: 12/27/2011 Survey Date: 11/30/2011  
 City: *Stevinson* T: 7S R: 10E  
 County: *Merced* S: 24  
 State: *California* Meridian: *Mount Diablo*

### Final Adjusted Coordinates

Datum: *NAD83 (Stat. GPS)* Epoch: *2007.00*  
 Latitude (DMS): *N 37° 18' 46.91344"*  
 Longitude (DMS): *W 120° 49' 35.02301"*

Projection: *State Plane* Zone: *California 4*  
 Northing (Grid): *2366194.68 usft.*  
 Easting (Grid): *6030519.73 usft.*

Datum: *NAVD88 (Stat. GPS)* Geoid: *2003*  
 Ortho Height: *91.14 usft.*

### Survey Mark Description

*2" CADWR Brass Disk stamped "KRUGER, 2008", set in concrete structure.*

Close Up View

(166-Close.jpg)



### Go To Directions

*Starting at the intersection of CA-140 and CA-165 south of Stevenson, CA*

*1. Head east on CA-140 for 1.4 mi*

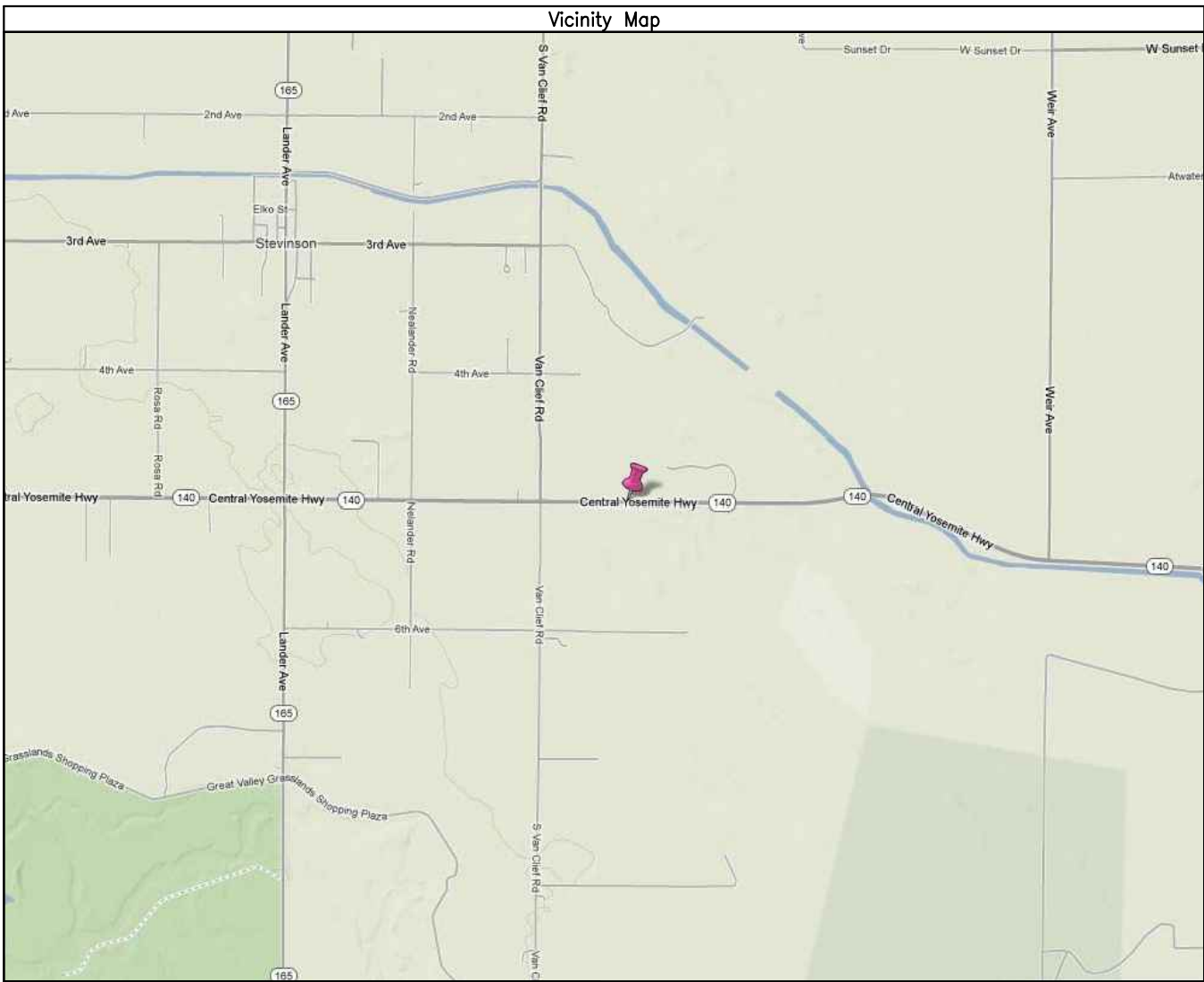
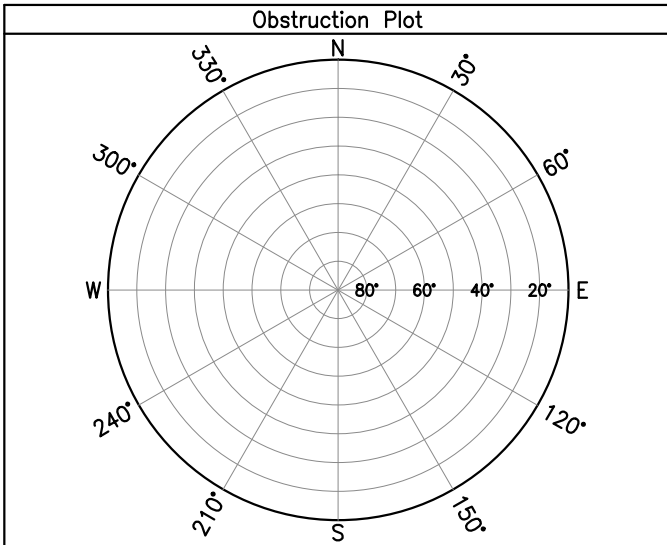
*\*Point will be on the north of CA-140 near a guard rail*

Aerial View



Entered By: *W. Harrison*  
 Checked By: *G. Davis*

**SJRRP Geodetic Control Network**





## SJRRP Geodetic Control Network

Date: 12/27/2011 Survey Date: 11/30/2011  
 City: Stevinson T: 8S R: 10E  
 County: Merced S: 6  
 State: California Meridian: Mount Diablo

### Final Adjusted Coordinates

Datum: NAD83 (Stat. GPS) Epoch: 2007.00

Latitude (DMS): N 37° 15' 49.56903"

Longitude (DMS): W 120° 54' 22.15864"

Projection: State Plane Zone: California 4

Northing (Grid): 2348711.58 usft.

Easting (Grid): 6006971.18 usft.

Datum: NAVD88 (Stat. GPS) Geoid: 2003

Ortho Height: 74.31 usft.

### Survey Mark Description

3" USGS Brass Disk, set in concrete structure.

### Go To Directions

Starting at the intersection of CA-140 and CA-165 south of Stevinson, CA

1. Head west on CA-140 for 6.1 mi
2. Turn left, head east on unpaved road for 500 ft

\*\*Pass through gate via access provided by Fish and Wildlife

3. Head east on main unpaved road for 3.0 mi

\*Point will be to the north of the unpaved road on the east end of a bridge

Entered By: W. Harrison  
 Checked By: G. Davis

Close Up View

(167-Close.jpg)



Aerial View



### SJRRP Geodetic Control Network

